NCCareers.org

Session 2022-4: There's more than one way to do a career exploration journey

LMI Tuesday February 15, 2022





Your presenters:

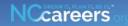


Jeff Rosenthal
Senior Labor Market Analyst
Labor & Economic Analysis Division
NC Department of Commerce

Jamie Vaughn Senior Analyst for Market Intelligence Labor & Economic Analysis Division NC Department of Commerce



Account Creation







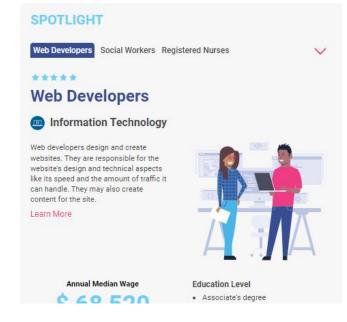




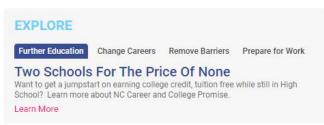






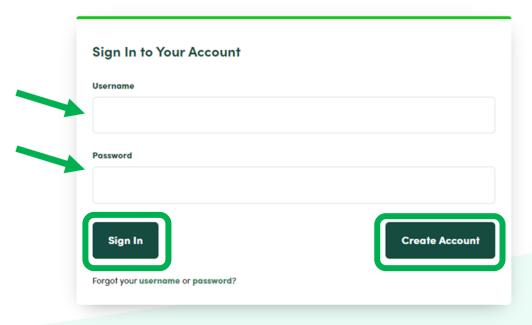








CFNC NCcareers org



Your CFNC login will give you access to our full family of resources to plan, apply, pay, and save for college.





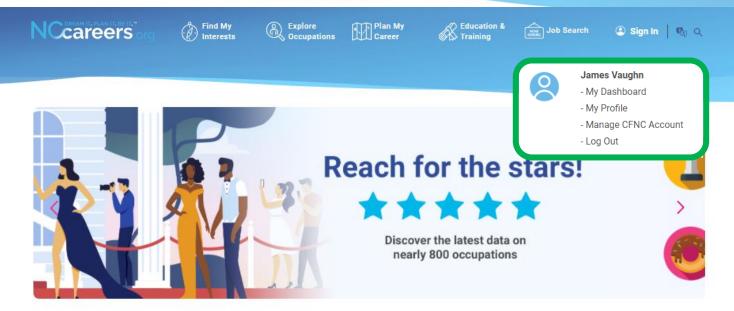


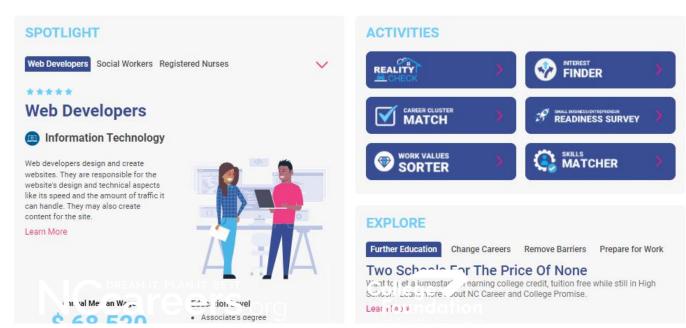
Account Creation

- Not required for access!
- Free for all users
- Use current CFNC credentials



Account Creation

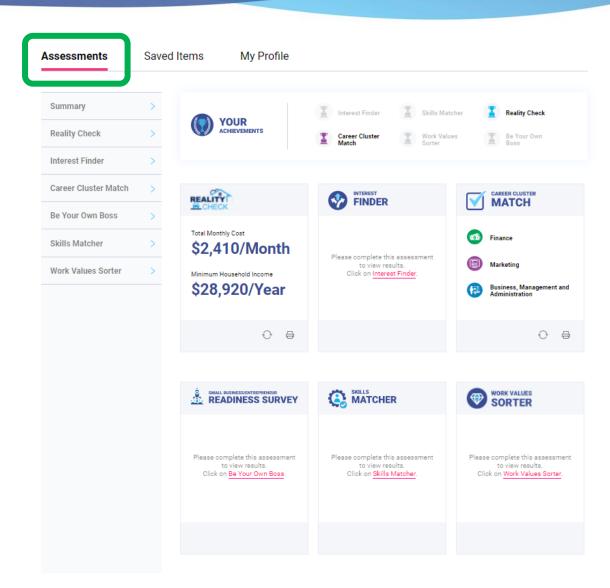






Account Creation - Assessments

- Status on all assessments
- Quick Results of each assessment
- Full Results of all assessments

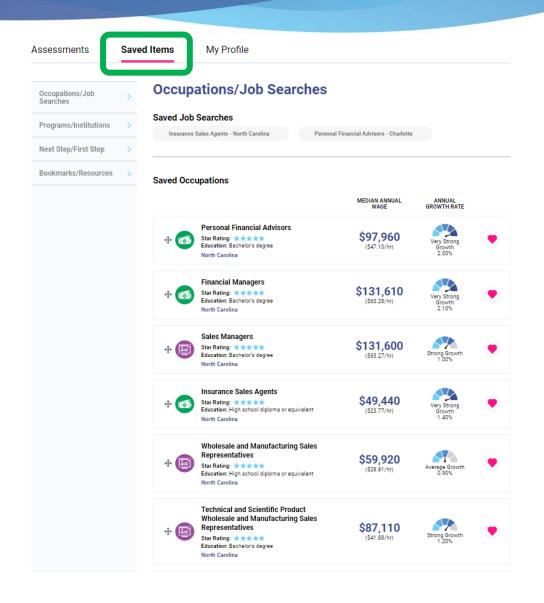




Account Creation – Saved Items



- Turn the gray heart red
- Save favorite information:
 - Occupations
 - Job Searches
 - Higher Education Programs & Schools
 - Next Step/First Step
 - Resources



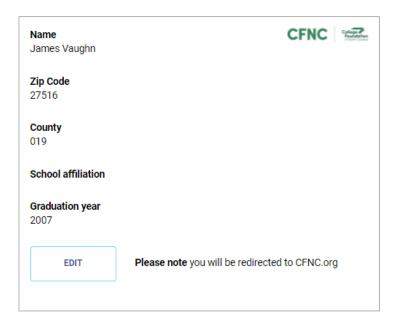


Account Creation - My Profile

- Access CFNC Account info
- Personalize with an Avatar
- Survey Reflections
- Save personal goals
 - Education
 - o Career
 - Salary



This is your NCcareers profile. Account information can be managed on the CFNC site. Click on EDIT to update your CFNC account.



My Avatar

Choose an avatar that represents your goals, interests or personality! You can change these as often as you like.









Lower End Wage (10th Percentile)

\$62,340(\$29.97/hr)

Middle Wage (50th Percentile)

\$100,560(\$48.35/hr)

Higher End Wage (90th Percentile)

\$152,000(\$73.08/hr)



Applications Software Developers *****

North Carolina

ቆ Interests

Work Place

0 0 0

Many applications software developers work in office

ensironments for employers

such as insurance partiers or corporate headquarters. In general, coftware development

is a collaborative process and developers work on teams with

others who contribute to

designing, developing, and programming successful

long hours are common.

‡+ Top Skills & Abilities

Making eguipment and

technology useful for

ougramers.

Writing computer programs

Installing equipment, machines,

More 5

Knowledge/Specialties

Computers and Electronics

Engineering and Technology

Administration and Management

English Language

Telecommunications

software. Some developers telecommute (work away from the office). Most software developers work full time, and

Annual Salary (Wages)







Software developers are the creative minds behind computer programs. They develop applications that allow people to do specific teaks when using technology tools.

What do they typically do

 Consult with outtomers about software system design and maintenance Analyze users' needs and then design, test, and develop software to meet

Research and evaluate factors like required reporting formats, costs, and

Change existing software to correct errors, adapt it to new hardware, or

Determine system performance standards

Design each part of the application and plan how the places will work

Document every aspect of the application as background for future

Collaborate with other computer apecialists to create the best possible

Number of Jobs

2212

Job Opening 9,508

Select a recion/location in North Carollea to begin your

View available jobs

III Job Listings

 NET beveloper Android Developer

> Average Armuel Job Growth +2.6%

Similar Occupations

Information Technology

Lower End Wage (10th Percentile)

Higher End Wage (90th Percentile) 8192,000(\$79.09/hr)

940,940(909.97/hr)

8100,560(368.95/hr)

Ratings

Wage (\$/\$)

Job Openings (S/S)

Job Growth Rate (S/S)

Experience Level (6/5)

Common Job Titles

Middle Wage (50th Percentile)

Computer Hardware Engineers

More v

Mone 1

Occupation Code

191199 - Applications Software Developers

Pathway

Programming and Software Development

6- NCDPI Career Pathways

Identify the High School Classes that can help start preparing you for a chosen career. Find placeas

€ Education & Training

Most require a four-year bacheloris degree, but some

Associated Programs or Majors

Computing & Information Systems

Data Solence

Software Engineering

Private Training Programs (A Certification Exam Prep

Class)- Sorum Macrer Certification Training (à Certification Exam Prep Class)-Sorum Master

Training (CISS) ISSCS Certified

(I) Next Step

More >

Find out what's next in line on

your career journey.

Get started

Experience

Mathematics

Design

A considerable amount of workrelated skill, knowledge, or experience is needed.

Training

Upually perenal years of workrelated experience, on-the-job training, and/or vocational



Find out where to start your

Get started



Software developers are the creative minds behind computer programs. They develop applications that allow people to do specific tasks when using technology tools.

What do they typically do

- Consult with customers about software system design and maintenance
- Analyze users' needs and then design, test, and develop software to meet those needs
- Research and evaluate factors like required reporting formats, costs, and security needs to decide how to configure hardware
- Change existing software to correct errors, adapt it to new hardware, or improve performance.
- Determine system performance standards
- Design each part of the application and plan how the pieces will work together
- Document every aspect of the application as background for future maintenance and upgrades
- Collaborate with other computer specialists to create the best possible software

Applications Software Developers ***** North Carolina Information Technology Annual Median Wace (Nages) Annual Salary (Wages) 100.560 Very Fact Growing Annual NC Wage Range were developers are the creative minds behind computer rograms. They develop applications that allow people to do specif Lower End Wage (10th Percentile) teaks when using technology tools. 9 62,240(929,97/hr) Middle Wage (50th Percentile) What do they typically do \$100,560(\$68.95/hr) 👩 Consult with outtomers about software system design and maintenance 0 0 Analyze users' needs and then design, test, and develop software to meet 8192,000(\$79.09/hr) Research and evaluate factors like required reporting formats, costs, and Work Place Change existing software to correct errors, adapt it to new hardware , or Many applications software Determine system performance standards developers work in office environments for employers Design each part of the application and plan how the places will work such as insurance parriers or corporate headquarters. In Job Openings (S/S) general, poftware development Document every aspect of the application as background for future is a collaborative process and developers work on teams with Job Growth Rate (S/S) others who contribute to Collaborate with other computer specialists to greate the best possible designing, developing, and programming successful Experience Level (6/5) software. Some developers telecommute (work away from the office). Most software developers work full time, and Number of Jobs @ Education & Training long hours are common. Common Job Titles Most require a four-year top Skills & Abilities & NET beveloper bacheloris degree, but some Androld Develope Writing computer programs Making egulpment and Associated Programs or Majors More v 2212 ougramers Computing & Information Average Armuel Installing equipment, machines, Systems Job Ground 49,4% Job Opening 9,509 More 1 Data Solence Similar Occupations Software Engineering III Job Listings Computer Hardware Engineers Knowledge/Specialties Select a recion/location in Mone 1 Administration and Management View available jobs Computers and Electronics Design Occupation Code Private Training Program Engineering and Technology English Language (à Certification Exam Pre) Software Developers Class)- Sorum Macrer Mathematics Certification Training Telecommunications (& Certification Exam Prep Class)-Sorum Master Programming and Software Training

Development

6- NCDPI Career Pathways

for a chosen career. Find classes

Identify the High School Classes

that can help start preparing you

First Step

Get started

Find out where to start your

Experience

A considerable amount of workrelated skill, knowledge, or experience is needed.

Upually perenal years of work-

related experience, on-the-job training, and/or vocational

Training

Find out what's next in line on your career journey Get started

(CISS) ISSCS Certified

(I) Next Step

More





Work Place

Many applications software developers work in office environments for employers such as insurance carriers or corporate headquarters. In general, software development is a collaborative process and developers work on teams with others who contribute to designing, developing, and programming successful software. Some developers telecommute (work away from the office). Most software developers work full time, and long hours are common.



Writing computer programs

Making equipment and technology useful for customers

Installing equipment, machines, wiring, or computer programs

Figuring out what a product or service needs to be able to do

Figuring out what is causing equipment, machines, wiring, or computer programs to not work

Measuring how well a system is working and how to improve it

Figuring out how a system should work and how changes in the future will affect it

Using scientific rules and strategies to solve problems

Using math to solve problems

Testing how well a product or service works

Knowledge/Specialties

Administration and Management

Computers and Electronics

Design

Engineering and Technology

English Language

Mathematics

Telecommunications

Applications Software Developers *****

Information Technology (Mages)



Software developers are the creative minds behind computer programs. They develop applications that allow people to do specific





North Carolina

0 0 0 manipular Sociale Connection

Many applications software

ensironments for employers

such as insurance partiers or corporate headquarters. In general, software development

is a collaborative process and

developers work on teams with

others who contribute to

designing, developing, and programming successful

long hours are common.

top Skills & Abilities &

ougramers.

Writing computer programs Making eguipment and

Installing equipment, machine

More 1

Knowledge/Specialties

Computers and Electronics

Engineering and Technology

A considerable amount of work-

related skill, knowledge, or

Administration and

English Language

Telecommunications

Mathematics

Management

software. Some developers telecommute (work away from the office). Most software developers work full time, and

developers work in office

ቆ Interests

4. Work Place

teaks when using technology tools What do they typically do

Analyze users' needs and then design, test, and develop software to meet

Design each part of the application and plan how the places will work

Document every aspect of the application as background to

Collaborate with other computer specialists to create the best possible

Common Job Titles

Lower End Wage (10th Percentile)

Middle Wage (50th Percentile)

Higher End Wage (90th Percentile)

840,940(909.97/hr)

\$100,560(\$68.95/hr)

8192,000(\$79.09/hr)

Ratings

Wage (\$/\$)

Job Openings (S/S)

Job Growth Rate (S/S)

Experience Level (6/5)

NET beveloper

More v

Similar Occupations

Computer Hardware Engineers

Mone 1

191199 - Applications Software Developers

Rethway

Programming and Software Development

6- NCDPI Career Pathways

Identify the High School Classes that can help start preparing you for a chosen career. Find placeac

Consult with outtomers about software system design and maintenance

Research and evaluate factors like required reporting formats, costs, and

Change existing software to correct errors, adapt it to new hardware, or

Determine system performance standards

Number of Jobs @ Education & Training

> Most require a four-year bacheloris degree, but some

Computing & Information Average Armuel Job Ground 49,4% Job Opening 9,508

Data Solence Software Engineering

Select a recion/location in

Korth Carollea to begin your

View available jobs

First Step

Get started

Find out where to start your

MI Job Listings

2212

Private Training Programs

(A Certification Exam Prep

Class)-Sprum Master Certification Training (A Certification Exam Pres Class)-Sorum Master

Training

(CISS) ISSCS Certified

experience is needed.

Experience

Training

Upually perent years of workrelated experience, on-the-job training, and/or vocational



(I) Next Step

Get started

Find out what's next in line on



Typical Career Exploration Path

- 1. Take a few assessments to learn about your interests
- 2. Use those results to focus on potential occupations
 - a) Review the occupation profile page
- 3. Create a Career Plan
 - a) Learn about resources
- 4. Find Educational Opportunities
 - a) Higher Education
 - b) Job Shadowing
 - c) Internships
 - d) Apprenticeship
- 5. Find a Job





















What if I know what I want to study or already have a degree?



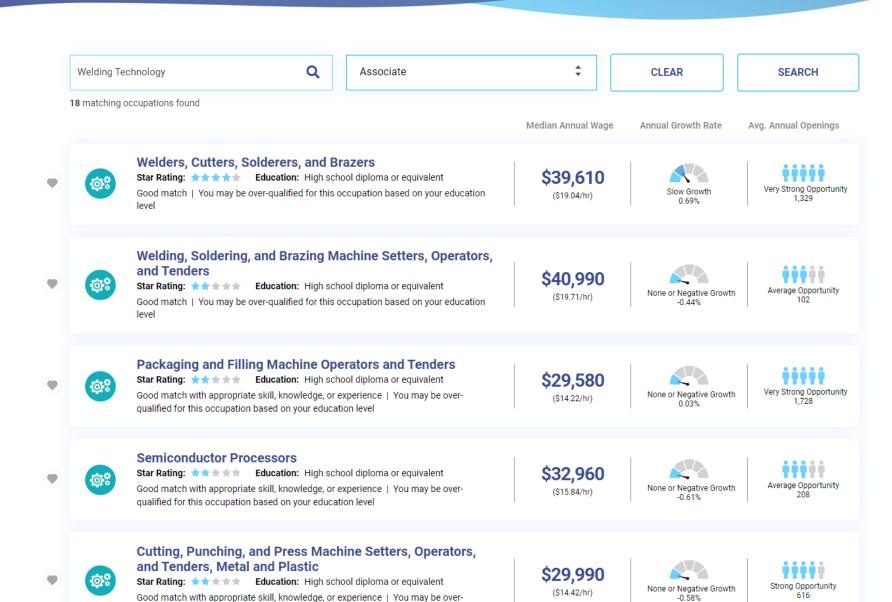
What Can I Do With My Education?



Start Planning	Next Step	First Step	What Can I Do With My Education?		
•					
Type in a program name and then select the degree type to see which occupations best match your education. Click on an occupation to learn more about it and see a complete occupation profile.					
Search by Program/Deg	ıree	Q	‡	CLEAR	SEARCH



What Can I Do With My Education?

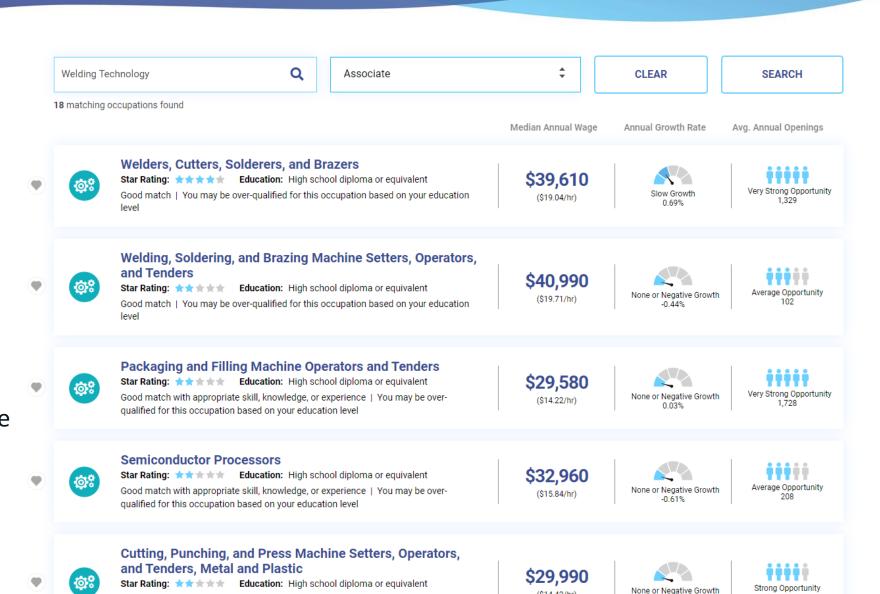


qualified for this occupation based on your education level



Three types of matches:

- Good match
- Good match with appropriate skill, knowledge or experience
- Potential Match



Good match with appropriate skill, knowledge, or experience | You may be over-

qualified for this occupation based on your education level

(\$14.42/hr)

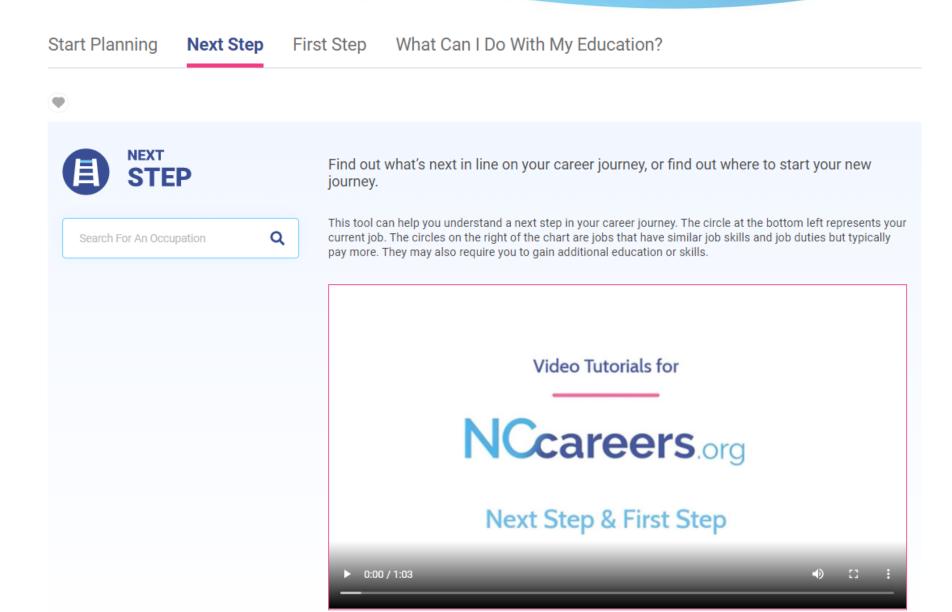


What if I Want to Understand How to Advance my Career?



Next Step / First Step





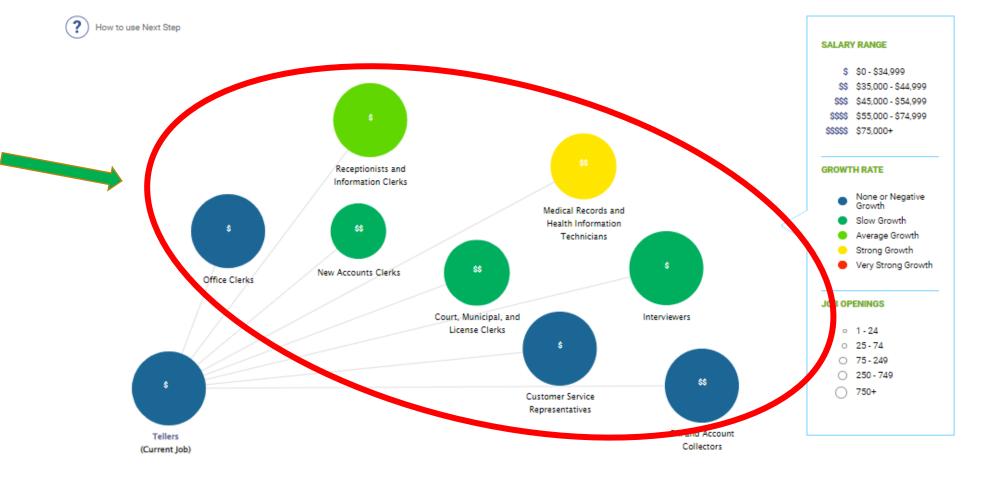


SALARY NC JOB PROJECTION



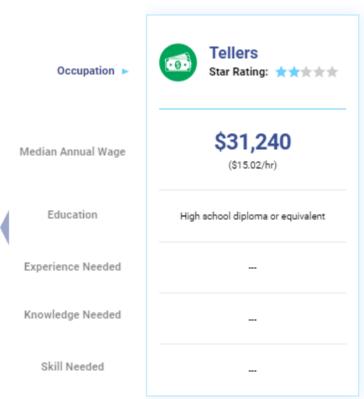
\$31,240 (\$15.02/hr) Median NC Wage 11,957 Total Jobs in 2017 1,343 Average Job Openings -0.5% None or Negative Growth

Occupations considered an advancement from Teller

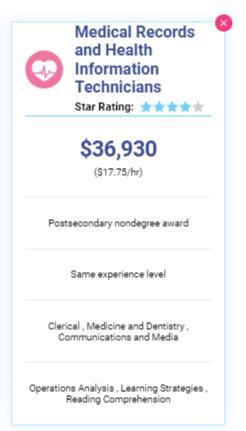




Compare the prospective occupation to your current one.



Compare Occupations







First Step

Find out where to start your new journey.

Get started



Next Step

Find out what's next in line on your career journey.

Get started

Applications Software Developers *****

North Carolina

Information Technology





Software developers are the creative minds behind computer

teaks when using technology tools.

Determine system performance standards

What do they typically do

programs. They develop applications that allow people to do specific

Consult with outtomers about software system design and maintenance

Analyze users' needs and then design, test, and develop software to meet

Change existing software to correct errors, adapt it to new hardware , or

Design each part of the application and plan how the places will work

Document every appear of the application as background for future

Collaborate with other computer specialists to create the best possible





ቆ Interests







Research and evaluate factors like regulard reporting formats, costs, and Work Place

Many applications software developers work in office ensironments for employers such as insurance partiers or corporate headquarters. In general, coftware development is a collaborative process and developers work on teams with others who contribute to designing, developing, and programming successful software. Some developers telecommute (work away from the office). Most software developers work full time, and long hours are common.

‡+ Top Skills & Abilities

technology useful for

ougramers.

Writing computer programs Making eguipment and

Installing equipment, machines,

More ~

Knowledge/Specialties

Computers and Electronics Design

Engineering and Technology

Administration and Management

English Language

Telecommunications

Mathematics

Most require a four-year bacheloris degree, but some

@ Education & Training

Associated Programs or Majors

Computing & Information Systems

Data Splence

Software Engineering

Private Training Programs

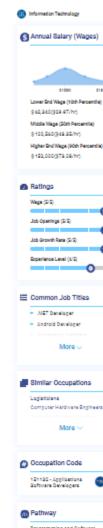
(A Certification Exam Prep Class)- Sorum Master Certification Training

(à Certification Exam Prep Class)-Sorum Magran Training

Experience A considerable amount of workrelated skill, knowledge, or experience is needed.

Training

Upually perenal years of workrelated experience, on-the-job training, and/or vocational



Common Job Titles NET beveloper Android Developer More Similar Occupations Computer Hardware Engineers More 5 Occupation Code 191199 - Applications Software Developers Programming and Software Development

6- NCDPI Career Pathways

that can help start preparing you for a chosen career.

2212

Average Armuel Job Grough #2.4% Job Opening 9,508

MI Job Listings

Select a recion/location in North Carollea to bagile your

Number of Jobs

View available jobs

(CISS) ISSCS Certified

More ~

First Step

Find out where to start your

Get started

(I) Next Step Find out what's next in line on Get started



What if I have chosen a career but want to have alternatives?





Logisticians

Computer Hardware Engineers

Computer Systems Analysts

Systems Software Developers

Computer Programmers

Applications Software Developers *****

North Carolina

Information Technology (Nages) Annual Salary (Wages)

21000

Lower End Wage (10th Percentile)

Middle Wage (50th Percentile)

Higher End Wage (90th Percentile) 8192,000(\$79.09/hr)

840,940(909.97/hr)

\$100,560(\$68.95/hr)

Ratings

Wage (\$/\$)

Job Openings (S/S)

Job Growth Rate (S/S)

Experience Level (6/5)

Common Job Titles

Android Developer

Similar Occupations

Computer Hardware Engineers

Mone 1

More -

NET beveloper







Software developers are the creative minds behind computer programs. They develop applications that allow people to do specific teaks when using technology tools.

What do they typically do

- Consult with outtomers about software system design and maintenance
- Analyze users' needs and then design, test, and develop software to meet
- Research and evaluate factors like regulard reporting formats, costs, and
- Change existing software to correct errors, adapt it to new hardware , or
- Determine system performance standards
- Design each part of the application and plan how the places will work
- Document every aspect of the application as background for future
- Collaborate with other computer apecialists to create the best possible





Average Armuel Job Grough #2.4% Job Opening 9,508

III Job Listings

Select a reciprologation in North Carolina to begin your View available jobs

Occupation Code

191199 - Applications Software Developers

Pathway

Programming and Software Development

6- NCDPI Career Pathways

Identify the High School Classes that can help start preparing you for a chosen career. Find placeas

@ Education & Training

Most require a four-year bachelor's degree, but some

Associated Programs or Majors

Computing & Information Systems Data Solence

Software Engineering

Private Training Programs (A Certification Exam Prep

Class)- Sorum Master Certification Training (à Certification Exam Prep Class)- Sprum Magter

Training (CISS) ISSCS Certified

More >

experience is needed.

Training

Upually perenal years of workrelated experience, on-the-job training, and/or vocational

First Step

Find out where to start your

Get started

Find out what's next in line on Get started

(I) Next Step





the office). Most software developers work full time, and long hours are common.

‡+ Top Skills & Abilities Writing computer programs Making eguipment and technology useful for

ensironments for employers

such as insurance partiers or corporate headquarters. In general, coftware development

is a collaborative process and developers work on teams with

others who contribute to

designing, developing, and programming successful

software. Some developers telecommute (work away from

ougramers. Installing equipment, machines,

More ~

Knowledge/Specialties

Administration and Management Computers and Electronics

Design Engineering and Technology

A considerable amount of workrelated skill, knowledge, or

English Language

Mathematics Telecommunications

Experience





Applications Software Developers *****

North Carolina

Information Technology

21000

Lower End Wage (10th Percentile)

Middle Wage (50th Percentile)

Higher End Wage (90th Percentile) 8192,000(\$79.09/hr)

840,940(909.97/hr)

\$100,560(\$68.95/hr)

Ratings

Wage (\$/\$)

Job Growth Rate (S/S)

Experience Level (6/5)

Common Job Titles







0 0 0 Investigation Statistic Connectional

Many applications software developers work in office

enstronments for employers

such as insurance partiers or corporate headquarters. In general, coftware development

is a collaborative process and developers work on teams with

others who contribute to

designing, developing, and programming successful

long hours are common.

‡+ Top Skills & Abilities

technology useful for

outromers.

Writing computer programs Making eguipment and

Installing equipment, machines,

More ~

Knowledge/Specialties

Computers and Electronics Design

Engineering and Technology

Administration and Management

English Language

Telecommunications

Mathematics

software. Some developers telecommute (work away from the office). Most software developers work full time, and

ቆ Interests

Work Place

Software developers are the creative minds behind computer programs. They develop applications that allow people to do specific teaks when using technology tools.

What do they typically do

Annual Median Wage

Consult with outtomers about software system design and mainter

Analyze users' needs and then design, test, and devel

 Research and evaluate factor ed reporting formats, posts, and security needs to deg

tivare to correct errors, adapt it to new hardware , or

Determine system performance standards

Design each part of the application and plan how the places will work

Document every aspect of the application as background for future

Collaborate with other computer specialists to create the best possible

Number of Jobs

2212

 NET beveloper Androld Developer More v

> Average Armuel Job Growth +2.6% Job Opening 9,508

> > III Job Listings

Select a region/location in

View available jobs

North Carollea to begin your

Similar Occupations

Computer Hardware Engineers

More 9

Occupation Code

191199 - Applications Software Developers

Pathway Programming and Software Development

6- NCDPI Career Pathways Identify the High School Classes

that can help start preparing you for a chosen career. Find placeas

€ Education & Training

Most require a four-year bacheloris degree, but some

Associated Programs or Majors

Computing & Information Systems

Data Solence

Software Engineering

Private Training Programs

(à Certification Exam Preg Class)- Sorum Master Certification Training

(A Certification Exam Prep. Class)-Sorum Magran Training

(I) Next Step

Get started

(CISS) ISSCS Certified

Find out what's next in line on

More ~

First Step

Find out where to start your

Get started

Experience

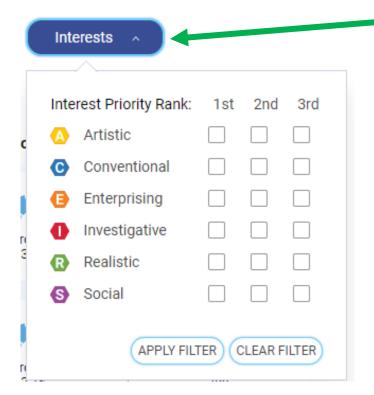
A considerable amount of workrelated skill, knowledge, or experience is needed.

Training

Upually payers) years of workrelated experience, on-the-job training, and/or vocational

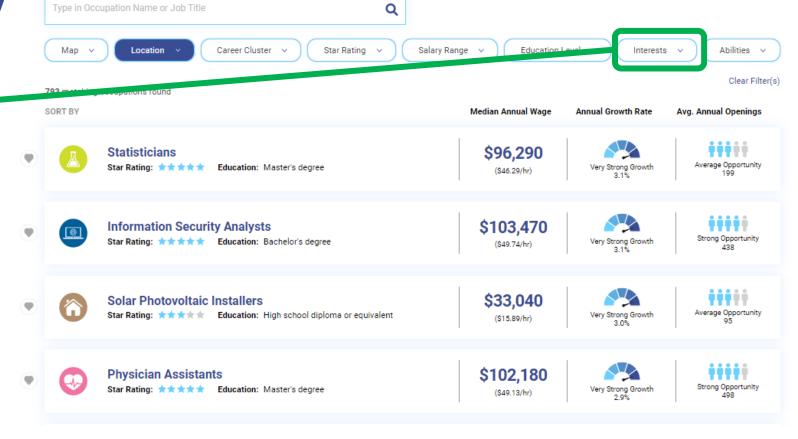


Filter Occupations by Holland Code



Occupations

Search for an occupation from nearly 800 job titles or browse the fastest growing jobs in North Carolina. Filter and sort results by: location, career cluster, star rating (a composite rating of occupations computed by LEAD), salary range, education level, interests and/or abilities.





I can't find job postings for the occupation I am interested in?



≡ Common Job Titles

- NET Developer
- Android Developer
- Application Architect
- Application Developer
- Application Integration Engineer
- Application Integrator
- Applications Analyst
- Applications Developer
- Applications Engineer
- Applications Programmer
- Applications Quality Assurance Specialist
- Applications Software Engineering Information Technology Specialist (Applications Software Engineering IT Specialist)
- Applications System Analyst
- Architect
- Artificial Intelligence Specialist
- Automation Engineer
- Automation Tester

Applications Software Developers *****

North Carolina

Information Technology



Lower End Wage (10th Percentile) Middle Wage (50th Percentile) \$100,560(\$68.95/hr)

21000

840,940(909.97/hr)

Higher End Wage (90th Percentile) 8192,000(\$79.09/hr)

Ratings

Wage (\$/\$) Job Openings (S/S)

Job Growth Rate (S/S)

Experience Level (6/5)

■ Common Job Titles

 NET Developer Android Developer

Mone -

Similar Occupations

Computer Hardware Engineers

Mone 1

Occupation Code

191199 - Applications Software Developers

Rethway Programming and Software Development

6- NCDPI Career Pathways

Identify the High School Classes that can help start preparing you for a chosen career. Find classes

Annual Median Wage

Very Fast Growing



What do they typically do

- Consult with outtomers about software system design and maintenance
- Analyze users' needs and then design, test, and develop software to meet
- Research and evaluate factors like regulred reporting formats, costs, and
- Change existing software to correct errors, adapt it to new hardware , or
- Determine system performance standards
- Design each part of the application and plan how the pleces will work
- Document every aspect of the application as background for future
- Collaborate with other computer apecialists to create the best possible

Number of Jobs

Average Armuel Job Ground 49,4% Job Opening 9,508

MI Job Listings

Select a recion/location in North Carollea to begin your

View available jobs

€ Education & Training

Most require a four-year bachelor's degree, but some

Associated Programs or Majors

Computing & Information Systems

Data Solence

Software Engineering

Private Training Programs

(A Certification Exam Prep Class)- Sorum Master Certification Training

(à Certification Exam Prep Class)- Sprum Magter Training

(CISS) ISSCS Certified

More >

First Step

Find out where to start your

Get started

(I) Next Step

Find out what's next in line on your career journey. Get started











Many applications software developers work in office ensironments for employers such as insurance partiers or corporate headquarters. In general, coftware development is a collaborative process and developers work on teams with others who contribute to designing, developing, and programming successful software. Some developers telecommute (work away from the office). Most software developers work full time, and long hours are common.

‡+ Top Skills & Abilities

ougramers.

Writing computer programs Making eguipment and

Installing equipment, machines,

More 5

Knowledge/Specialties

Administration and Management Computers and Electronics

Design

Engineering and Technology English Language

Mathematics Telecommunications

Experience

A considerable amount of workrelated skill, knowledge, or experience is needed.

Training

Upually perenal years of workrelated experience, on-the-job training, and/or vocational





Questions?

Jamie Vaughn

jamie.vaughn@nccommerce.com

Jeff Rosenthal

jeff.rosenthal@nccommerce.com



@LeadNC

@CareersInNC

I CCAI'E EIT CCAI'E EIT Sorg

