

## Quinn Riley

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A Computer Scientist and Software Engineer with various abilities such as programming multiple languages, planning, documenting, and testing. Has experience in various areas of software development.

## Skills

- UML Diagram Design
  - Activity Diagrams
  - Class Diagrams
  - Interaction Diagrams
  - Sequence Diagrams
  - State Machine Diagrams
  - Use Case Diagrams
- Software Engineering V Model Design
- Software testing
  - Specification Based Testing
  - Control Flow Based Testing
  - Class Testing
- Class Scope Testing
- Unit testing
- Integration Testing
- System Testing
- Acceptance Testing
- Black Box Testing
- White Box Testing
- Operating Systems
  - Linux and Unix Systems
  - Microsoft Windows Systems
  - Familiar with Command-Line Interfaces
- Languages
  - Java
- Python
- C
- C#
- CSHTML/Razor
- JavaScript/React
- Ruby
- Clojure
- Prolog
- HTML
- CSS
- Familiar with Assembly
- Familiar with SSH and SCP
- Microsoft Office
- Gantt Charts
- Agile Development
- General IT and Tech Support Knowledge

## Education

- State University of New York at Oswego | Oswego NY.
- Due to graduate in 2020 with bachelor's degree in Computer Science and a minor in Logic.

## Experience and Projects

- **Cap Com Federal Credit Union | Albany NY** May 2018 – Present  
*Web Developer Intern*
  - Wrote front end and back end code including C#, CSS, HTML, CSHTML/Razor and JavaScript.
  - Programmed automated test programs with the Selenium WebDriver API to test webpage functionality.
  - Worked extensively with the Epi Server platform.
  - Used Microsoft .Net Model View Controller framework.
  - Developed in a fast-paced, Agile scrum team.
  - Helped extensively with a large webpage content migration project.
  - Worked on a School Banking rewrite project, mostly working on the React JS front end.
- **Software Design Project | Oswego NY** January 2019 – May 2019  
*QA Specialist for "SmartTRON" test scanner project*
  - Worked on a semester long project to develop a system to allow professors to easily scan students tests and automatically provide accurate statistics and grades, with results viewable on a webpage.
  - Worked on a team of approximately 25 people to develop the "SmartTRON" system.

- Developed and ran tests for the whole system and its components to ensure it ran correctly and accurately enough for the stakeholders, including Specification Based Testing, Control Flow Based Testing, Class/Class Scope Testing, Unit Testing, Integration Testing, System Testing, and Acceptance Testing.
- Used GitHub to create a peer review process and Travis Continuous Integration to automatically build pull requests ensuring no code changes fail to build.
- Worked with Spock to Unit Test Java code, PyTest to Unit Test Python code, and utilized Selenium and Jest to run tests for the front end.

#### ○ Weather Cam Dashboard Team | Oswego NY

Aug 2017 – Dec 2017

*Software Engineer and Programmer*

- Tasked with designing and implementing a system to take multiple photos of Lake Ontario and the sky for weather monitoring.
- Installed 3 Raspberry Pi Cameras to take photos and save them to a remote server.
- Constructed a Python program to create panoramas from separate photographs and save the photos in specific directories, organized by time and date the photo was taken.
- Supervised the project and interacted heavily with the meteorology department at SUNY Oswego to design a system specifically for their needs. Also worked with other students both on other project teams and on the same team.
- Prepared UML diagrams and domain analysis documents to organize our system.
- Worked with the Open CV library in Python to manipulate photos in the system.
- Automated the system to take photos and save them and other important weather information to a server to aid the meteorology department in weather related research and teaching.

#### ○ Website Development | Cohoes NY

July 2017 – Present

*Web Developer*

- Set up numerous webpages and wrote custom HTML and CSS in my free time.

#### ○ Guptills Coney Express and Roller Rink | Cohoes NY

Nov 2013 – Aug 2018

*Ice Cream Server and Skate Shop Employee*

- Carried out any responsibility's given quickly and correctly.

## Extracurricular Activities

#### ○ SUNY Oswego Computer Science Association | Oswego NY

Sept 2016 – Dec 2019

*Member*

- Aided in set up of programming competitions such as ACM Preliminary Programming Contest.

#### ○ Shaker Coding Club | Latham NY

Dec 2013 – June 2015

*Board Member*

- Designed informative flyers for the club.
- Took place in annual coding competitions held at Siena College.