Paula Register

 paularegister.me   per4521@g.rit.edu   PaulaERegister   615-428-2018

EDUCATION

Rochester Institute of Technology   **Rochester, New York**
Bachelor of Science in Computer Science, GPA: 3.8   *May 2021*

Relevant Coursework: Analysis of Algorithms, Mechanics of Programming, Concepts of Computer Systems, Programming Language Concepts

EXPERIENCE

Rochester Institute of Technology   **Rochester, NY**
Fullstack Web Developer   *Jan. 2018 - Aug. 2018*

- Worked on the testing, development, and re-architecture of TigerCenter, a student portal used by over 15,000 students at RIT, to replace the old framework with Angular 4, optimize application performance, and improve user experience.
- Worked in an 6-person Agile team, conducted meetings with product stakeholders to understand and fulfill business requirements.

National General Insurance   **Nashville, TN**
Junior Web Developer   *June 2017 - Aug. 2017*

- Developed and maintained website for administrative use to process large amounts of customer data, integrating a RESTful API with the Angular 2 framework. Website created with HTML, CSS, and Bootstrap. Used C# on the backend with a Microsoft SQL Server.

Rochester Institute of Technology   **Rochester, NY**
Student Lab Instructor, Department of Computer Science   *Fall 2017, Fall 2018, Jan. 2019 - Present*

- My duties are to assist the professor during labs, answering students' questions. I grade student's labs and projects and tutor students for Computer Science I, II, and Mechanics of Programming

TECHNICAL SKILLS

- Python, Java, C, HTML, CSS, AngularJS, Angular 2, Maven, Java Spring, Bootstrap, JavaScript, Matplotlib, Pandas, Numpy, MIPS Assembly
- Experience with unit testing and user acceptance testing. Experience working in an Agile environment and liaising with product stakeholders.

PROJECTS

WebCheckers   *Aug 2018 - Dec 2018*

- Worked in a four-person team to write a web app to play checkers built using the Java Spring MVC framework, with an emphasis on Agile principles and adherence to object oriented principles of design, specifically SOLID and GRASP. Did extensive unit and user acceptance testing.

Stock Market Analysis (Python)   *Jan 2019 - Present*

- Wrote scripts to scrape stock prices from websites. Cleaned and graphed various data, then used time series analysis to calculate moving averages, trading strategies using moving averages, formulation of exit strategies, and strategy evaluation - primarily using quandl, pandas, numpy, and matplotlib.

ADDITIONAL EXPERIENCE AND ACTIVITIES

- Private Computer Science Tutor
- Program Assistant at Nashville Career Advancement Center Summer 2016, coordinated and implemented orientation training for 250 new interns.
- Editor, writer, organizer, and volunteer at events for Give a Little Nashville. Editor and volunteer for Strum Magazine. Foster for American Humane Society for 11 years. Volunteer for various charitable organizations, including Lifestock for the American Cancer Society, Hope Nation, Over the Rainbow Consignment Sale and the Live 4 Tay Foundation.
- Member of Women of Excellence Supporting STEM and Women in Computing