Paula Register

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EDUCATION

Rochester Institute of Technology   **Rochester, NY**
Bachelor of Science in Computer Science, GPA: 3.85   *May 2021*

Relevant Coursework: Analysis of Algorithms, Mechanics of Programming, Concepts of Computer Systems, Programming Language Concepts, Principles of Data Management, Linear Algebra

EXPERIENCE

Constant Contact   **Boston, MA**
Software Engineer Co-op   *June 2019 - Dec. 2019*
- Working in an Agile environment on a variety of projects and technologies, collaborating across teams to coordinate dependencies, document architectural designs, and continuously deliver / deploy features to production through Jenkins pipeline.
- End-to-end development through full stack: database manipulation with SQL and Spring JDBC, building RESTful web services in Java Spring, and consuming REST APIs with frontend apps written in React and Marionette (Backbone framework). Writing test suites for Java with JUnit and Mockito, Enzyme and Jest tests for React, and end-to-end tests in Protractor.

Student IT Office, RIT   **Rochester, NY**
Fullstack Web Developer Co-op   *Jan. 2018 - Aug. 2018*
- Worked in an Agile team 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.
- Frequently led meetings with product stakeholders to gather requirements, significantly increased user retention rates and usage among upperclassmen following a marketing and design strategy obtained via user-acceptance testing.

Rochester Institute of Technology   **Rochester, NY**
Student Lab Instructor, Department of Computer Science   *Fall 2017, Fall 2018, Spring 2019*
- Assisted the professor during labs, taught students basic concepts of computer science as well as object oriented principles (SOLID, GRASP) and patterns (creational, structural, behavioral). Graded students' labs and projects, and tutored students for Computer Science I (Python), II (Java), and Mechanics of Programming (C).

TECHNICAL SKILLS

- Python, Java, Spring Framework, Angular, React, Marionette, Backbone.js, JavaScript, jQuery, JUnit, Protractor, Enzyme, Jest, SQL, C, HTML, CSS, Bootstrap, Maven, Apache Tomcat, Linux, RESTful APIs, Matplotlib, Pandas, Numpy, AWS EC2, Docker.
- Experience in developing scalable web applications built on microservice architecture (Spring Boot, Swagger, Spark), unit testing, and user acceptance testing.

PROJECTS - ⦿ PaulaERegister

Stock Price Scraper (Python)
- Wrote scripts to scrape stock prices from websites. Cleaned and graphed various data, used time series analysis to calculate moving averages, then formulated and evaluated exit strategies using quandl, pandas, numpy, and matplotlib.

Yelp Review Wordcloud (Python)
- Wrote a Yelp review scraper that, given a location, crawls through Yelp's results for that city, scraping the top restaurant names and their links from the HTML using BeautifulSoup. Generates a wordcloud from the reviews for restaurants in the location or for specific restaurants. Currently completing website for project using the Flask microframework.

LEADERSHIP EXPERIENCE AND ACTIVITIES

- Web Developer Co-op at National General Insurance (Angular 2, C#, Microsoft SQL Server) - *Summer 2017*
- Private Computer Science Tutor - *Sep. 2016 - May 2019*
- Program Assistant at Nashville Career Advancement Center, coordinated and implemented orientation training for 250 new interns - *Summer 2016*
- Editor, writer, organizer, and volunteer at events for Give a Little Nashville since 2011. Editor and volunteer for Strum Magazine 2011 - 2016. 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