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ANTHONY CATALINA

Summary

Software engineer for Regulus Group, LLC and graduate from Rowan University, majoring in Computer Science with an emphasis in front-end development. Proficient in multiple programming languages. Performance driven, industrious, reliable team player and self-starter, with focus on accuracy and innovation.

Skills

- Languages & Frameworks: HTML, CSS, Bootstrap, Javascript, PHP, Python, ReactJS, Reactstrap, Java
- Tools: Microsoft Office, Eclipse, IntelliJ, VS Code, Git
- Operating Systems: macOS, Windows, Linux, Unix
- Knowledge and experience in Scrum/Agile development

Education

Bachelor of Science: Computer Science   **January 2021**
Rowan University, Glassboro, NJ

- GPA: 3.2
- Honors: Dean's List (Fall 2016, Spring 2017, Fall 2017, Spring 2020)

Software Projects

- **1030/1090 MHz Spectrum Analysis** (HTML, CSS, Javascript, Bootstrap, Python, Flask, Jinja): Responsible for developing the user interface for a software tool developed for the Federal Aviation Administration (FAA). The tool is to be used by system operators and the FAA to assess whether equipment is compatible with the existing and future 1030/1090 MHz environment. Equipment may be added, removed, and modified. Results of the evaluation are displayed in a dashboard-style webpage.
- **Surveillance Spotlight Dashboard** (HTML, CSS, PHP, Javascript, Bootstrap): Software tool developed for the FAA. The tool displays flight data from different data sources. Users can choose between daily and monthly data, and the data is populated into an interactive dashboard. Users can select between different data sources, or to view all sources together. Data is presented in different graphs/charts depending on the source and is presented with either all data entries or unique entries only. Users can click on different sections of the dashboard to get a more detailed view of the data.
- **Vulnerability Alerting** (MySQL, PHP, Python, HTML, CSS, Javascript/JQuery): Developed a software tool using Agile development for Lockheed Martin. The tool automates monitoring online sources of vulnerability information and alert feeds from sources such as National Vulnerability Database and the Department of Homeland Security. The tool acts as a website where users can log in via their email address and select applicable software or threat action filters to receive vulnerability alerts for. Alerts are sent to the user's email address.
- **OddJobs website** (React, Typescript, Reactstrap, Formik, Google OAuth, Flask, MySQL, and Flask JWT): Developed a website for my Senior Project. The goal of the website was to offer a way for users to post and/or accept small jobs (such as mowing the lawn, cleaning). The website finds local jobs posted by other users and allows people to accept the jobs for a fee, money is then transferred between the accounts once the job is completed and confirmed. The website also includes a rating and reporting system.

Work Experience

- Regulus Group, LLC (June 2021 – Present)
  - **Tech Center Engineer** – Improving database efficiencies and turnaround times; upgrading user interface for both inputting data requests and outputting analytical results and dashboard-type web pages showing overall real-time and historical system performance.
- DeLorenzo's "The Burg" Pizza – Levittown, PA (November 2015 – June 2021)
  - **Customer service associate** – Part-time employment to support tuition costs, serving diverse clientele with patience and courtesy. Duties include cooking, cashier, and serving customers.