Paolo Pedrigal

paolopedrigal@gmail.com | (510) 520 – 1538 | https://github.com/paolopedrigal | https://www.linkedin.com/in/paolopedrigal/

RELEVANT EXPERIENCE

Product/Test Engineering Intern — June 2022 – August 2022
Skyworks Solutions, Inc. — *Irvine, CA*
- Implemented 2 **Python** scripts that extracted semiconductor data from raw data to improve the efficiency of data analysis.
- Updated code documentation by 15% to meet the current version of my team's software.
- Reported 3 **bugs** found at the front end interface of my team's data analytics system.
- Collaborated with the other engineers through daily to weekly stand-up meetings.
- Leveraged knowledge in Python, TIBCO Spotfire, data extraction, code documentation, and debugging.

Front End Developer Intern — June 2021 – August 2021
MLiora, LLC — *San José, CA*
- Assisted the front end development team in coding the company's prototype website.
- Coded 10+ **React** components for **code reusability** to streamline development time by 15%.
- Implemented basic **CSS Bootstrap** styling to existing webpages.
- Partnered with the designer intern team to implement their wireframes.
- Worked in a fast-paced environment at a **startup**, gaining teamwork and communicative skills.
- Leveraged knowledge in React, JavaScript, HTML, CSS, Bootstrap, front end website development.

Data Structures Teaching Assistant — April 2021 – June 2021
De Anza College — *Cupertino, CA*
- Assisted students in Java on **data structures** including linked lists, queues, stacks, binary search trees, heaps, and hash tables.
- Taught basic **algorithms** to students including divide and conquer, search, and graph traversal algorithms.
- Organized one-on-one meetings with students who requested additional help.
- Leveraged knowledge in Java, data structures, algorithms, communication, tutoring.

PERSONAL PROJECTS

Wordle Customizer Full Stack Website
- Developed a **full-stack website** that allows users to create their own version of *Wordle* of The New York Times and to share their custom-made game with friends.
- Built the front end with JavaScript, **React**, HTML, and CSS and the back end with **Express**, **Node.js**, and **PostgreSQL**.
- Created and handled **REST API** routes through data fetching with **Axios**.
- Deployed the application on an Ubuntu server in an **AWS EC2** instance.
- Utilized React, JavaScript, HTML, CSS, Axios, Node.js, Express.js, REST API, PostgreSQL, AWS, Linux (Ubuntu), and Git.

Interactive Neighborhood Map
- Coded an interactive map of neighborhoods in North San José, California using **HTML** SVG for a local client.
- Obtained raw geographic coordinates through Google My Maps and rescaled coordinates with **Python**.
- Added **JavaScript** event handling to display neighborhood information when neighborhoods are clicked.
- Embedded the map as an HTML custom element to integrate with client's prebuilt website.
- Utilized JavaScript, HTML, CSS, Python, Google My Maps, Scalable Vector Graphics (SVG).

TECHNICAL SKILLS

- **Programming Languages –** *(proficient):* JavaScript, TypeScript, Python; *(familiar):* Java, C++
- **Front End –** *(proficient):* React, HTML, CSS; *(familiar):* Next.js, Bootstrap, Axios
- **Back End –** *(proficient):* Express.js, Node.js, PostgreSQL; *(familiar):* AWS, MongoDB, Firebase
- **Team-oriented –** Git, Docker, Jira, Agile (Scrum), Slack, Microsoft Teams

EDUCATION

Bachelor of Science, Computer Science — June 2023
University of California, Irvine
- Recipient of the Regents' Scholarship
- Dean's List in Fall 2021
- Relevant Coursework: Algorithms & Data Structures, Beyond SQL Data Management, Machine Learning & Data Mining, Operating Systems, Compilers & Interpreters, Networks, Information Retrieval, Software Testing & Quality Assurance