Abrahan Nevarez

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Education

University of Central Florida   **Expected graduation: December 2022**
B.S Information Technology

Skills

- **Languages**: Python, Go, JavaScript, C
- **Libraries & Frameworks**: Flask, Pandas, BeautifulSoup, Selenium, PySide2, Node.js, PyTest
- **Other**: Git, Ubuntu, Azure, PostgreSQL, AWS, Docker, Github Actions

Experience

Software Developer - UCF   December 2019 - Present

- Provide course development for faculty and web/application development for the University of Central Florida (UCF).

Projects

Publix Subs API   September 2020 - Present

- Centralized the information of popular sandwiches through a REST API created in Python and Flask, particularly when they're on sale and price.
- Planned a robust database solution to reduce redundancy with data and bandwidth.

UCF IT Discord Bot   June 2020 - Present

- Boosted the resources available to 600+ UCF IT majors through the accessibility of a Python Discord bot that provided: certifications, clubs within the engineering umbrella, as well as providing job postings to assist with the job search.
- Coordinated a CI/CD pipeline utilizing Github actions to maximize bot up time by 80 percent.
- Oversaw code reviews and monitored a small team, leading to a cohesive coding standard.
- Engineered a Docker solution to provide cross comparability with all developers working on the bot.

Pokemon Battle Simulator   June 2020 - Present

- Spearheaded an graphical user interface application written in Python and Pyside2 that generated a Pygame instance that allows users to connect to simulate battles real time over the internet in the style of Pokemon.
- Incorporated custom tooling that allows the end user to use their own content within the game. Tools include: a stats editor, a position editor, as well as an animation editor.
- Improved upon the battle experience by creating local rooms that allowed experimentation offline.
- Increased code efficiency to 90 percent with PyTest unit tests.

Gofetch   November 2019 - March 2020

- Engineered a REST API in Python that would provide functionality to various services.
- Decreased downtime of the API by utilizing Microsoft Azure services including a PostgreSQL database.
- Administered a command line interface tool to automate the various functionalities of the API.

Extracurricular

Development Director - KnightHacks   November 2020 - Present

- Oversaw development of a TypeScript based website for the popular KnightHacks hackathon.
- Migrated services from Google's Firebase to Microsoft's Azure.
- Collaborated with multiple teams to reach a final design for the site and its various applications.