Bronte Cadogan

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Objective

University of Florida graduate with a degree in computer engineering looking for problems to solve and challenges to overcome in the field of engineering.

Education

University of Florida, Herbert Wertheim College of Engineering   **August 2018 – May 2022**

Bachelor of Science in Computer Engineering   Gainesville, FL

- Sample coursework: Data Structures and Algorithms, Python Programming for Biology, Digital Logic, Software Engineering, Microprocessor Applications, Intro to Computer Organization, Digital Design, Ethics, Circuits, Physics of EE, Operating Systems, Human Computer Interaction, Enterprise Security, Jr./Sr. Design, Magnetics and Magnetic Materials.

Work Experience

University of Florida   **May 2022 - Present**

Undergraduate Researcher   Gainesville, FL

- Communicate and assist graduate researchers (masters and PhD level) along with professors with essential tasks related to research.
- Tasks usually include developing new and editing existing Python and Verilog tools designed to analyze data and simulate hardware for FPGAs.

University of Florida   **May 2021 – May 2022**

Web Developer   Gainesville, FL

- Work with faculty in the Florida Institute for Cybersecurity to implement new content, information, and features to new and existing websites and webpages.
- Managed the creation and upkeep of faculty and laboratory webpages, ensuring consistency of content and style. As well as allowing access to protected files to department members.

Publix Super Markets   **July 2017 –Present**

Cashier   Palm Beach Gardens/Gainesville, FL

- Serve an average of 15 hour per week in Customer Service Department, interacting with over 300 customers per day. Use strong product knowledge and understanding of Publix offered services to contribute to a rise in customer satisfaction by 70%.
- Assist with complaint resolution, store opening and closing procedures, product merchandising, and training of 4 new employees.

Projects

Automatic Handle Cleaning System   **August 2021–May 2022**

- Worked with four other classmates to create a Full Stack web application designed to interact with a microcontroller to send and store data to MongoDB and display that data on the application hosted on an AWS Server.
- Contributed to the website's design as well as connecting the application to a mongo database, read from the database, and helped with the visualization of statistics and data.
https://github.com/BronteCadogan/Automatic-Sanitizing-System

Technical Proficiencies: C, C++, C#, Python, Java, Javascript, Matlab, R, Assembly, Git, Verilog, VHDL, HTML, CSS, *nix environments, Linux, Command Line Interfaces, Angular, React, Wordpress.