Thomas Burgess

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Experience

Software Engineer Intern, Lockheed Martin Aeronautics, May 2020 - Present

- Worked on the Fire Control & Stores F-35 Mission Systems team.
- Completed coding, testing, and debugging tasks involving various weapon systems using C++.
- Led effort to automate the build process by setting up nightly builds that pulled in modules from various sources.

VP of Finance, HR, and IT, Student Government Association, Mar 2019 - May 2020

- Oversaw the reallocation of a nearly million dollar budget to reduce costs in preparation for state minimum wage hike.
- Supervised more than 20 SGA employees to ensure proper implementation of human resources policies and work schedules.

Computer Science Intern, Biola University, May 2019 - June 2019

- Designed, programmed, and tested the front and back end of a database solution to enter and store patient data using a LAMP stack.
- Built data analysis tools in R for use in analyzing gene expression data.

Acquisition Intern, Hedgefield Homes, Oct 2017 - May 2018

- Compiled information on more than 400 homes to assess which property owners to target, with the goal of purchasing lots.
- Analyzed the data, contacted owners, and successfully negotiated contracts to purchase homes.

Projects

University Directory Scraper Python, Selenium

- Downloads names, emails, and images for everyone in directory--including those not listed.
- Identified directory design flaw that allowed anyone to view students who had requested total confidentiality and worked with university to make sure vulnerability was patched.

Patient Data Portal, HTML, CSS, JavaScript, PHP, Apache Web Server, mySQL, jQuery

- Portal to enter, edit, and search data stored in a cancer patient database.
- Created front and back end from scratch.
- Hosted off-site and backed up locally.
- Commissioned by upcoming Biola Cancer Research Institute.

Education

Bachelor of Computer Science, Biola University, anticipated Dec 2021

- 3.86 GPA
- Stewart Science Honors Program - Participate in specialized coursework, on-campus research, and dialogue with leaders in STEM.
- Torrey Honors Institute - The top Great Books Program in the country, taken in addition to my major specific courses. Consists of reading, writing, and discussing.

Skills

- Experienced with **C++, Python, Linux, Selenium, Microsoft Office**
- Familiar with **R, PHP, mySQL, HTML, CSS, JavaScript**