Christian Bush

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Education

MISSISSIPPI STATE UNIVERSITY, STARKVILLE, MS
Bachelor of Science, Computer Engineering, May 2019 - GPA: 3.88/4.0

Experience

GLAANCE LLC, STARKVILLE, MS
Backend Web Developer, Oct. 2017-April 2018
- Developed dynamic web app. using Flask Microframework (python) and SQLAlchemy/SQLite
- Used best-practice RESTful API to respond to AJAX front-end requests
- Created Database Abstraction Layer to separate database from Flask and solve common query issues
- Led team of 6 using Agile, ticket driven development strategy

MISSISSIPPI STATE - DR. BRYAN A. JONES, STARKVILLE, MS
Undergraduate Research Assistant, June – Aug. 2017
- Created plugin for Atom in Node.JS that allows instant HTML preview of any source code
- Created multi-threading socket server in Python to allow several clients to preview results simultaneously
- Implemented alpha test of software and presented project to Shackouls Honors College

COX ENTERPRISES, ATLANTA, GA
Co-op, May 2015 – Dec. 2016
- Headed small team to create company-wide energy/water use baseline
- Managed national field technician team for on-site emergency generators

COMMUNITY, STARKVILLE, MS
Volunteer, Aug. 2014 – Present
- Tutor for Freshmen engineering majors
- Active member of Bulldogs on the Move, a weekly exercise event with children who have special needs

Skills

- Senior in Computer Engineering seeking development opportunities for 2019
- Proficient knowledge of C++, Python, Unix/Linux, software version control with Git/Hg
- Experience using Matlab, Mathematica, PHP, MySQL, HTML/CSS, Javascript
- Knowledge of RESTful API, JSON format, popular web development stacks, and exp. with Flask
- Project Engineering, management of technicians/contractors, and small team leadership

Honors and Activities

- HackState hackathon 1st place recipient 2017 – *worked through 24 hours against +200 participants to create from the ground up a robotic crane solely controlled by arm movements and hand gestures.*
- Undergraduate Research Symposium 3rd Place 2017
- MSU Presidential Scholar 2014-2015, 2017
- Pi Kappa Phi New Member and Volunteer Coordinator 2017