Christian Batausa Bush

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Education

MISSISSIPPI STATE
BS in Computer Engineering
May 2019 - GPA: 3.88/4.0

COURSEWORK
- Intro to Algorithms
- Computer Architecture
- Client/Server Programming
- Digital System Design
- Digital Signal Processing

Links

cbush.org
github.com/cbb330
linkedin.com/in/cbb330

Skills

LANGUAGES
- Python ▹ PHP ▹ Lua ▹ C++
- C ▹ Verilog/VHDL
- HTML/CSS

TECHNOLOGIES
- Flask ▹ Apache ▹ Postman
- AWS ▹ SQLAlchemy
- Jekyll ▹ Github ▹ Mercurial
- Vivado ▹ MPLAB ▹ Qt
- Unix ▹ Wireshark

Honors & Activities

- HackState hackathon 1st place recipient 2017
- Undergraduate Research Symposium 3rd Place 2017
- MSU Presidential Scholar 2014-2015, 2017
- Pi Kappa Phi New Member and Volunteer Coordinator 2017

Experience

DYNETICS, HUNTSVILLE, AL
Embedded Software Developer, May 2018-Aug. 2018
- Created RF decoder to verify system to system communication
- Developed firmware/software on Xilinx Virtex FPGA and Microblaze soft processor using VHDL/C
- Designed and implemented Python GUI to parse, display, store, and send serial data from concurrent sources
- Used Lua to process Wireshark payloads and match them to stored data
- Packaged software and created user guide, installation guide, and function qualifications test for product

GLAANCE LLC, STARKVILLE, MS
Backend Web Developer, Oct. 2017-April 2017
- Developed dynamic web app. using Flask Microframework (python) and SQLAlchemy/SQLite
- Created RESTful API according to best-practices to respond to AngularJS front end
- 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 beta test of software and presented project to Shackouls Honors College

COX ENTERPRISES, ATLANTA, GA
Project Engineering 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