

Christian Batausa Bush

<https://cbush.org>
chrisbush747@gmail.com | 618.316.9765

Education

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

COURSEWORK

- Intro to Algorithms
- Parallel Algorithms
- Computer Architecture
- Client/Server Programming
- Digital System Design

Links

cbush.org
github.com/cbb330
[linkedin.com/in/cbb330](https://www.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