

Kody Bloodworth

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EDUCATION

University of Tennessee, Knoxville — Senior

AUGUST 2016 - MAY 2020

B.S. in Computer Science.

GPA: 3.93/4.0

EXPERIENCE

TENNLab Neuromorphic, Knoxville -

Undergraduate Research Assistant

MAY 2019 - PRESENT

- Researched concepts involved in neuromorphic computing
- Helped develop neuromorphic software frameworks and ported applications to those frameworks
- Attended the 2019 International Conference on Neuromorphic Computing (ICONS)

Tickle College of Engineering, University of Tennessee -

COSC 140 / 302 Teaching Assistant

AUGUST 2019 - MAY 2020

- Assist students with introductory data structures and algorithms projects.
- Plan lab sessions and grade student work
- Collaborate to create effective plans for teaching lab material and answering student questions

ORAU, Oak Ridge National Laboratory, Oak Ridge -

ORISE Undergraduate Intern

JANUARY 2019 - MAY 2019

- Worked with a team to develop 3D slicing software for large-scale 3D printers
- Quickly developed an understanding of OpenGL and the Qt development environment

Innovation and Collaboration Studio, Knoxville— Supervisor

MARCH 2018 - JANUARY 2019

- Train new staff members how to operate and maintain equipment
- Manage and create methods to keep track of student work hours, print logs, and task tracking
- Teach students on operation procedures for starting prints
- Understand how to orientate structures for optimal printing

SKILLS

C / C ++

Python

Lua

HTML / CSS

JavaScript / jQuery

React

Node.js

Flask / Django

MySQL

MongoDB

Sh / Bash

Vim

Git

Unix

OpenGL

LLVM

AWARDS

Michael Dodd Engineering Award

Sprinkle, Charles, and Martha Scholarship

McKenzie Scholars Award

Neubert, Len & Nancy Lois Scholarship

UT Volunteer Scholarship

PROJECTS

Implemented a multi-eviction policy cache in Arduino.

Recreated malloc, csh, and tar in C

Created a dynamic visualization of the Recaman Sequence in Python

Implemented ray-picking on an arc-ball 3D environment with Qt, C++ and OpenGL

Created an AICA simulator and statistical analysis tool

Created completely functional data collection website mock-up.