9103 Grayland Drive Apt E
Knoxville, TN - 37923

John Carmack

GitHub
Portfolio

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EMPLOYMENT

Research Assistant   **University of Tennessee**   **April 2020 - Present**

Neuromorphic Computing

- Developed multiple python packages for both in-house and inter-organizational use among neuromorphic researchers.
- Implemented the groups C++ API in python3 with pybind11

Teaching Assistant   **University of Tennessee**   **December 2019 – Present**

- Lead multiple lab sections for courses including Data Structures and Algorithms and Systems Programming
- Developed supplemental resources aimed at reinforcing student's understanding of course and laboratory material

Process Control

Engineering Intern   **International Paper**   **Fall 2018 – Fall 2019**

- Helped oversee the installation of an Allen Bradly Controllogix plc platform in the mill's woodyard.
- Coordinated with contractors to secure materials and schedule labor to effect said installation.

EDUCATION

Knoxville, TN   **University of Tennessee**   **Fall 2017 – May 2022**

- Attaining B.S. in Computer Science -- GPA: 3.9
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Calculus III; Software Engineering; Systems Programming

TECHNICAL EXPERIENCE

Projects

- **Polling Web Application link**. RESTFUL web application written with a MERN stack. Polling data visualizations with d3.
- **Playlist Sorter.** RESTFUL web application to sort Spotify playlists. Django backend and React frontend with bootstrap and material-ui.
- **Todo link.** Canonical todo application written in react to learn the framework.
- **LightsOut! link.** Fun puzzle written in React
- **Rover link.** Arduino-driven radio-controlled car written in C++ and python. Controlled from both Arduino controllers and Raspberry Pi platforms.

Skills

- C++; C; Java; Python3; JavaScript; React; MongoDB; Express; Node.js; Bootstrap;