Cameron Burrows

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EDUCATION

University of Florida, Herbert Wertheim College of Engineering — Gainesville, FL
Bachelor of Science in Computer Science, Minor in Mathematics — August 2022
GPA: 3.79 | Honors/Awards: Cum Laude
Relevant coursework: Data Structures/Algorithms, Intro to Software Engineering, Programming Language Concepts, Performant Programming in Python, Operating Systems, Deep Learning Computer Graphics, Intro to Database Systems

RELEVANT EXPERIENCE

Take Action Global - Full Stack Engineer | Remote — March 2022 – Present
- Oversaw a small agile software team developing a climate education LMS platform used by hundreds of teachers.
- Assembled, delegated, and reviewed web development tasks satisfying project specifications with tight deadlines by utilizing effective communication.
- Utilized MERN + Typescript tech stack focused on the backend to construct detail-oriented code-based solutions.

Planet Payment - Java Consultant | Remote — June 2021 – August 2021
- Collaborated among a small cross-functional agile development team responsible for designing, building, testing, and maintaining web applications and services on the Java platform.
- Interacted frequently with Spring framework, Struts framework, SQL, and Excel.
- Employed test-driven development to extend automated unit test coverage by utilizing Jenkins, JUnit, and Selenium.

Mindstamp - Python Developer | Remote — June 2021 – July 2021
- Engineered a web scraping program in Python to identify potential viable clients for their product and increase sales.
- Interpreted changing project requirements through consistent and effective communication and thoroughly tested the project using before delivering an effective final product.

PROJECTS

Mixage - Leader/Machine Learning | Team of 4 — View Project
- Collaborated with a team of peers and faculty members to develop a web application that interfaces with the Spotify API to predict a region's mood based on listening history and generate an image of the mood using machine learning.
- Employed a novel machine learning pipeline with a custom dataset, created with Keras and GAN architectures.
- Deployed and tested a web app that uses Spotify and Google Maps APIs to facilitate connection across the world.
- Utilized: Python, Django, Heroku, Keras, GAN, Bootstrap, Spotify API, Google Maps API

Algae Attack - Backend Developer | Team of 4 — GitHub | View Project
- Rapidly brainstormed, outlined, and developed a project that identifies and mitigates the effects of harmful algae blooms throughout Florida waterways, supporting sustainability by requiring minimal oversight to deploy.
- Engineered an appealing interface to monitor deployed algae detectors, and a robust backend to facilitate the collection and processing of machine learning data to the front-end as a full stack developer.
- Developed and implemented an ML model to predict harmful algae blooms from easily detectable features.
- Utilized: React, Typescript, Node.js, Express.js, MongoDB, Python, Keras

ADDITIONAL EXPERIENCE

Subject Saviors - Tutor | Melbourne, FL — March 2019 – June 2021
Codecraft Works - Instructor | Melbourne, FL — December 2016 – May 2021

SKILLS & INTERESTS

Programming: React, Typescript, Node, Express, MongoDB, Python, Django, Java, SQL, SCSS, Keras,
Tools: Heroku, Git, Unix, Selenium, JUnit
Interests: Triathlon (in training), Surfing, fishing