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   June 2019 – 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

SKILLS & INTERESTS

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

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.
- Satisfied project specifications within tight deadlines by using effective communication to delegate and integrate web development tasks.
- 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 agile development team responsible for designing, building, testing, and maintaining web applications and services on the Java platform used by merchants across the world to process transactions.
- Extended functionality of the merchant portal by implementing solutions in **Spring framework**, **SQL**, and **Excel**.
- Employed test-driven development to extend automated unit test coverage by 5% for 1000+ tests utilizing **Jenkins**, **JUnit**, and **Selenium**.

Mindstamp - Python Developer | Remote   June 2021 – July 2021
- Engineered a web scraping program in **Python** to identify over 600 viable clients for their product and increase sales.
- Developed defensive programming solutions to satisfy changing product requirements by investigating edge cases, discovering failures, and developing solutions to deliver an effective and thoroughly tested 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 CGAN 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, CGAN, 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