

Cameron Burrows

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EDUCATION

University of Florida, Herbert Wertheim College of Engineering
Bachelor of Science in Computer Science, Minor in Mathematics

Gainesville, FL

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, Styled Components, 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 – Jan 2023

- 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 Savors - Tutor | Melbourne, FL

March 2019 – June 2021

Codecraft Works - Instructor | Melbourne, FL

December 2016 – May 2021