

Rory Rodriguez

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EDUCATION

The Ohio State University, Columbus, Ohio

Expected Graduation: May 2025

B.S. Computer Science Engineering with a Business Minor

GPA: 3.98/4.0

- Relevant Courses: Web Applications, Intro to Operating Systems, Intro to Low-Level Programming and Computer Organization, Software Development and Design, Data Structures and Algorithms, Discrete Structures, Linear Algebra
- Honors: Maximus Scholarship, Dean's List 4 semesters, Engineering Showcase Attendant, Best Video Essay

SKILLS

Programming Languages: Java, C, Python, x86-64 assembly, JavaScript, HTML, CSS, MATLAB, Lua

Technologies: Git, GitHub, Visual Studio Code, Eclipse, IntelliJ, Jupyter Notebooks, gdb debugger, JUnit, Teachable Machine, TensorFlow, NumPy, Pandas, Matplotlib, PApplet, Bootstrap, Django, SQLite, Gradio Windows, Linux, Mac

EXPERIENCE

iD Tech

June 2023 – Aug. 2023

Lead Instructor

Ann Arbor, MI

- Instructed courses at the University of Michigan for AI & Machine Learning in Python, Java for Applications & Game Development, and Roblox Game Design with Lua Scripting
- Planned and led camp activities while also managing 8 other instructors and served as temporary assistant director
- Delivered lesson plans using libraries such as TensorFlow, Pandas, and PApplet, and lectured on complex concepts such as object-oriented programming and supervised learning resulting in a 98% student approval rating

PROJECTS

ProSign | [GitHub](#)

July 2023 – Aug. 2023

- Engineered a repeatable sign language alphabet quiz of a specified length that recognizes user input through device camera and keeps track of high scores (Python, JavaScript)
- Trained an image recognition model using Teachable Machine and 10000+ test images with TensorFlow

MusicMate | [GitHub](#)

June 2023 – Aug. 2023

- Produced a chatbot that recommends a song with every input using GPT 3.5 API and displayed using Gradio (Python)

VisualSort App | [Website](#) | [GitHub](#)

April 2023 – June 2023

- Implemented a web app to visually show the process of 4 sorting algorithms on array (HTML, CSS, JavaScript)
- Optimized to randomly generate an array of 5 different sizes, sort at 5 different speeds, and display Big O runtimes

Lyft Back-End Engineering Program | [GitHub](#)

July 2022 – Aug 2022

- Participated in a 4-step open access virtual program through Forage to gain industry-level experience
- Refactored a disorganized Python codebase to detect when one of 12 different types of cars needed engine, battery, or tire maintenance and wrote unit tests to check if refactored code was implemented correctly
- Gained a certificate of 100% completion after submission was graded for accuracy

PyShop Website | [GitHub](#)

Aug. 2022 – Aug. 2022

- Coded a sample online grocery shopping website where a product's quantity, price, and image could be edited or added using a database (Django, Bootstrap, Python, SQLite)

Forkify App | [Website](#) | [GitHub](#)

July 2022 – July 2022

- Developed a web app to search for 1,000,000+ recipes from 50 sites by name or ingredient (HTML, CSS, JavaScript)
- Assembled with the ability to bookmark favorites and add custom recipes with 5+ ingredients

ACTIVITIES

The OSU Cooking Club | *Chief Marketing Officer*

Jan. 2023 – Present

- Managing the club's Instagram of 50+ followers and collaborating in developing activities for 30+ active members

HeadStart Fellowship

Jan. 2023 – May 2023

- Selected as a fellow from 500+ applicants to receive professional and personal development in technology

HackOHI/O X

Oct. 2022 – Oct. 2022

- Worked 24 hours to create a sports betting app at Ohio State's hackathon using React Native

Other Organizations: Society of Asian Scientists and Engineers, Engineering Society of Professional Excellence

Other Interests: basketball, cooking, running, hiking, concerts, skiing, disc golf, investing, ultimate frisbee