

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, Ruby, HTML, CSS, MATLAB, Lua

Technologies: Git, GitHub, Visual Studio Code, Eclipse, IntelliJ, Jupyter Notebooks, gdb debugger, JUnit, Ruby on Rails Teachable Machine, TensorFlow, NumPy, Pandas, Matplotlib, PApplet, Windows, Linux, Mac

EXPERIENCE

The Ohio State University

Aug. 2023 – Present

Teaching Assistant

Columbus, OH

- Grade and provide constructive feedback on homework and projects for ~40 students in challenging topics ranging from data structures & algorithms, component interface design, language parsing with trees, and best Java practices
- Assist students with course content through biweekly in person labs, weekly office hours, and review sessions

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 catering to a wide array of students aged 6 to 18 years old
- 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 tracks 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

ACTIVITIES

The OSU Cooking Club | *Chief Marketing Officer*

Jan. 2023 – Present

- Deploy marketing strategies resulting in growth from ~30 members at club's inception to 380+ current members
- Curate and manage the club's Instagram of 100+ followers and collaborate in developing activities and events

HeadStart Fellowship | *Fellow*

Jan. 2023 – May 2023

- Selected from 500+ applicants for a fellowship in professional and personal development for underrepresented groups
- Produced deliverables ranging from common behavioral question responses to a redone LinkedIn page
- Attended weekly full fellowship meetings, biweekly tech specific meetings, and weekly networking events

Other Organizations: Competitive Programming Club, Society of Asian Scientists and Engineers (SASE), Ski Club

Other Interests: basketball, cooking, running, hiking, concerts, skiing, music production, investing, ultimate frisbee