

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
- Developed a Python script to streamline the project grading process, saving 10 to 20 minutes of time per set of projects

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 maintenance and wrote corresponding unit tests, resulting in 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