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, 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 35+ 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
  - 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
  - Manage the club's Instagram of 50+ followers and collaborate 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