David Alexander Jordan

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EDUCATION

Rochester Institute of Technology| M.S. in Computer Science | GPA: 3.72 **Expected December 2026**
Relevant Courses: Big Data and Data Analytics, AI, Machine Learning, Computer Vision, OOP, DSA
University of California Riverside | B.S. in Applied Mathematics | GPA: 3.15 **June 2024**

PROJECTS

Potluck | SwiftUI, MongoDB, Django **Fall 2025**
- Engineering a full-stack recipe management application with a SwiftUI front-end and Django back-end
- Architected and implemented a robust **RESTful API** using Django Rest Framework to handle GET and POST requests, ensuring seamless data management and communication between the mobile app and database
- Planned integration of **Gemini API** to add AI-powered functionality, such as automated recipe generation from user-uploaded ingredients

Parkinsons Risk Assessment |Python, Matplotlib, Pandas, Scikit-Learn **Spring 2025**
- Developed a Parkinson's disease risk assessment model, achieving 85% accuracy using a Support Vector Machine (SVM) to classify individuals based on key indicators
- Visualized and analyzed patient data using heatmaps and histograms to, exposing a right skew in symptom severity, providing valuable insights into the relationship between different symptoms

Car and Driver Analysis | Python, Pandas, NumPy, Matplotlib **Spring 2025**
- Developed a driver intention assessment model, classifying drivers intentionally speeding, achieving 81% accuracy via thresholding
- Developed regression models using multiple training methods (batch, mini-batch, and stochastic gradient descent) to predict a car's mpg, demonstrating underfitting and highlighting the importance of model complexity and feature selection

EXPERIENCE

Student Lab Instructor| Rochester Institute of Technology **August 2025 - Present**
- Evaluate assignment submissions and provide feedback to improve student's academic performance
- Assist professor during lab hours, ensuring a supportive learning environment for students

Tech Fellow | CodePath **May 2024 – Oct 2025**
- Provided instruction and coaching in data structure and algorithms using Python to solve LeetCode style question to 200+ college students to improve their problem-solving capabilities and better prepare for technical interviews, increasing their likelihood in getting an internship by 16% and getting a full-time position by 13%

iOS App Design Intern | University of California, Riverside **June 2022 – August 2022**
- Designed an iOS app for a local cultural center, collaborating in weekly **SCRUM** meetings to prioritize accessibility and user clarity by following Apple's Human interface Guidelines, using Swift and Keynote for interactive mockups

TECHNICAL SKILLS

Programming Languages: Python (Seaborn, Matplotlib, Pandas, NumPy, OpenCV, Scikit-learn, Django, TensorFlow), Java, SwiftUI, C++
Tools and Technology: MySQL, MongoDB, Git, REST APIs, GDB, SSH, PyCharm, VSCode, React, Copilot, Gemini

LEADERSHIP EXPERIENCE

Python Instructor | MESA at UCR **June 2023**
- Facilitated a Python coding camp for 40 middle school students, using hands-on exercises with Turtle and Karel to teach foundational programming, resulting in high engagement and positive feedback

SHPE Website | Society of Hispanic Professional Engineers at UCR **June 2023 – August 2023**
- Lead a group of multidisciplinary students to build a website for the SHPE organization on campus by holding weekly meetings. Designed and developed using HTML and CSS, ensuring a user-friendly interface and seamless navigation, managing workflow with a kanban board and version control using GitHub