

Athena Rapinan

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EDUCATION

Columbia University New York, NY
M.S. Data Science, Dean's MS Academic Excellence Fellow Expected Dec 2026
Coursework: Applied Machine Learning, Algorithms, Exploratory Data Analysis & Visualization, Probability & Statistics

University of California, Irvine (UCI) Irvine, CA
B.S. Computer Science - Intelligent Systems Specialization, 3.9 GPA, Cum Laude Jun 2025
Chancellor's Award of Distinction | Honors Program Research Thesis (Qualitative Analysis in Human-Computer Interaction)
Coursework: Artificial Intelligence, Machine Learning & Data-Mining, Computer Vision, Information Retrieval, Data Management

PROFESSIONAL EXPERIENCE

Skyworks Solutions Irvine, CA
Data Analyst Co-Op Jun 2024 - Dec 2024
• Orchestrated AI integration and automation efforts and participated in requirements analysis meetings with stakeholders, supporting the Quality Systems team in database migration to Salesforce while following Scrum Agile practices.
• Controlled KPIs in Power BI to present during meetings of 30+ staff, improving reporting accuracy and decision-making process.
• Designed a search engine for the Agile PLM Oracle database to centralize and automate the Product Part Approval Process.

FORMATION GmbH Berlin, DE
Artificial Intelligence Intern Jun 2023 - Aug 2023
• Pitched and created a web-AR (augmented reality) application using JavaScript framework, Vite, and Three.js to prototype an XR extension for Formation's browser application, leveraging REST API and Elasticsearch to query from dataset.
• Applied Python to process 1000+ geographically accurate icons and associated real-time data, deploying Node.js to project icons into AR space, providing employees searching, navigation, and visualization of workplace.

LEADERSHIP AND ACTIVITIES

Society of Women Engineers at UCI Irvine, CA
Corporate Chair Oct 2023 - Jun 2025
• Led outreach and negotiations with industry representatives to host 10 companies for annual flagship event, Industry Networking Night, connecting 150+ students with engineering and technology professionals.
• Cultivated and maintained partnerships with companies to organize 12 professional development events in collaboration.

Associated Students of UCI Irvine, CA
President's Chief of Staff Sep 2022 - Jun 2025
• Led a team of 10 directors and 70+ interns, enhancing student welfare by executing 30+ events annually while managing a \$200,000 budget to improve student resources and influence policy changes.
• Analyzed event outcomes with feedback data collection, increasing event attendance by 22% through campaigns and outreach.

UCI School of Information & Computer Sciences Irvine, CA
Course Assistant Jan 2023 - Jun 2024
• Taught 300 students in Intro to Python and Software Testing, Analysis, & Quality Assurance courses, helping students master fundamentals and applications of programming; focused on problem-solving strategies and industry best practices.

PROJECTS

Yelp Reviews Exploratory Data Analysis
• Built ML predictive models (Random Forests, SVM) with feature engineering (text vectorization, sentiment analysis), cross-validation, visualizations, and performance metrics to analyze trends of 100k reviews and optimize rating predictions.

Wordle Solver
• Developed an AI Wordle solver using constraint satisfaction and Shannon Entropy, achieving a 100% win rate across 100 games with an average of 4.3 guesses and <10s runtime, outperforming baseline strategies in accuracy and efficiency.

Streaming Platform Database
• Developed a user-friendly Python/MySQL command-line system for managing a streaming platform, supporting CRUD operations and analytical queries with reliable SQL execution and data handling across multiple relational databases.

SKILLS

Technical: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, PyTorch, TensorFlow, SQL, R, Regression, Classification, Clustering, Neural Networks, Jupyter, Power BI, APIs, Excel, C++, JavaScript, HTML, CSS, Git, Database Management.

Certifications: Certified Scrum Product Owner (CSPO), AWS Certified Cloud Practitioner (CCP).