

Abraham Moore Odell

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EDUCATION

Loyola Marymount University Los Angeles, CA
Masters of Science, Computer Science May 2025
Bachelor of Science, Computer Science May 2024
Awards: University Program Scholar, GPA 4.00, Dean's List, Arrupe Scholarship, Honors Program

SKILLS

Languages: Experienced in Python, JavaScript/Typescript, Java, SQL database design and languages
Tools & Technologies: Agile, Test-Driven Development, Git, Visual Studio Code, Windows and Mac OS
Additional Skills: specialties in causal inference, causal reasoning, decision support, and reinforcement learning. Experienced with AI/ML related technologies: tetrad, sklearn, pytorch, pandas, pgmpy, networkx.

EXPERIENCE

AI Causal Decision Support Researcher Los Angeles, CA
Associate Engineer - DEVCOM Army Research Lab and Parsons Corporation August 2023 - Present

- Design and implement novel models of artificial intelligence for causal reasoning and decision support.
- Present research at international conferences. Create communication materials, posters, presentations.
- Optimize algorithms for high volume simulation environments. Conduct testing, validation.
- Plan multi-month projects to exceed specifications by due date. Collaborate with a cross-national team.

IT Helpdesk Manager and Technician Los Angeles, CA
IT Helpdesk Technician Manager - Loyola Marymount University September 2021 – May 2024

- Used three proprietary software systems to manage sensitive student and faculty data for over 7000 people.
- Created schedules for 5 student workers, and managed absences. Trained other student workers.
- Diagnosed and resolved networking, software, hardware issues for faculty and students across platforms.
- Assisted in deployment of new technologies and software upgrades, troubleshooting post-installation issues.

PROJECTS and PAPERS

When to Observe or Act? July 2024

Interpretable and Causal Recommendations in Time-Sensitive Dilemmas

- Constructed new algorithm for causally supported decision making in time limited environments.
- Presented published short paper, poster at Human Computer Interaction International 2024 conference to hundreds of in person participants.

Synthergy: LLM Powered Social Deduction Game May 2024

- Utilized Large Language Models (LLMs) to create non-player character agents in game environments.
- Simulated human-like reasoning and decision making processes. Evaluated efficacy of LLM reasoning.

Briefcase: AI Case Document Review Tool December 2023

- Built “document chat” feature for Loyola Project for the Innocent allowing lawyers to interact with case documents, asking questions in plain-language utilizing natural language processing (NLP).

ACTIVITIES

So Plant Based Student Organization Los Angeles, CA
President September 2021 – Present

- Meet with university administration and work to secure organization funding. Organize meetings and events.
- Raised over \$800 for animal sanctuary charities. Increased active membership more than 200%.