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, B.S. and M.S. GPA 4.00, Dean's List, Honors Program

SKILLS

Languages: Python, JavaScript/Typescript, Java, C, C++, SQL, database languages
Tools & Technologies: Git, Visual Studio Code, Windows and Mac OS, Agile, Test Driven Development
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

Associate Engineer   Los Angeles, CA
DEVCOM Army Research Lab and Parsons Corporation   August 2023 - Present
- Research, design, implement novel artificial intelligence models for causal reasoning and decision support.
- Present my research on new methods of AI for guiding military planning at international conferences.
- Design, conduct testing, validate, and optimize novel algorithms for high volume simulation environments.
- Work on a national team to plan multi-month projects to exceed specifications by due date.

IT Helpdesk Manager   Los Angeles, CA
Loyola Marymount University   September 2021 – May 2024
- Used three proprietary software systems to manage sensitive student and faculty data for over 7000 people.
- Trained five student workers, created their schedules, and managed absences.
- Diagnosed and resolved networking, software, and hardware issues for faculty and students.
- Deployed new technologies and software upgrades, troubleshooting post-installation issues.

PROJECTS and PAPERS   2023 - 2024

When to Observe or Act?
Interpretable and Causal Recommendations in Time-Sensitive Dilemmas
- Constructed a new algorithm for causally supported decision making in time limited environments.
- Presented a published paper and poster at the Human Computer Interaction International 2024 conference to over 800 in-person participants.

Briefcase: AI Case Document Review Tool
- Built "document chat" feature for Loyola Project for the Innocent allowing lawyers to interact with case documents, asking questions in plain-language by utilizing natural language processing (NLP).

Synthergy: LLM Powered Social Deduction Game
- Utilized Large Language Models (LLMs) to create non-player character agents in game environments.
- Simulated human-like reasoning and decision making processes and evaluated LLM reasoning.

ACTIVITIES

So Plant Based (Student Organization)   Los Angeles, CA
President   September 2021 – Present
- Meet with university administration and work to secure organization funding, meetings and events.
- Raised over $1200 for animal sanctuary charities and increased active membership by more than 200%.