

# Abraham Moore Odell

## EDUCATION

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

## SKILLS

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**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

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<b>AI Causal Decision Support Researcher</b>	Los Angeles, CA
Associate Engineer - DEVCOM Army Research Lab and Parsons Corporation	August 2023 - Present
<ul style="list-style-type: none"><li>• Design and implement novel models of artificial intelligence for causal reasoning and decision support.</li><li>• Present research at international conferences. Create communication materials, posters, presentations.</li><li>• Optimize algorithms for high volume simulation environments. Conduct testing, validation.</li><li>• Plan multi-month projects to exceed specifications by due date. Collaborate with a cross-national team.</li></ul>	

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<b>IT Helpdesk Manager and Technician</b>	Los Angeles, CA
IT Helpdesk Technician Manager - Loyola Marymount University	September 2021 – May 2024
<ul style="list-style-type: none"><li>• Used three proprietary software systems to manage sensitive student and faculty data for over 7000 people.</li><li>• Created schedules for 5 student workers, and managed absences. Trained other student workers.</li><li>• Diagnosed and resolved networking, software, hardware issues for faculty and students across platforms.</li><li>• Assisted in deployment of new technologies and software upgrades, troubleshooting post-installation issues.</li></ul>	

## PROJECTS and PAPERS

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<b>When to Observe or Act?</b>	July 2024
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**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.

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<b>Synthergy: LLM Powered Social Deduction Game</b>	May 2024
<ul style="list-style-type: none"><li>• Utilized Large Language Models (LLMs) to create non-player character agents in game environments.</li><li>• Simulated human-like reasoning and decision making processes. Evaluated efficacy of LLM reasoning.</li></ul>	

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<b>Briefcase: AI Case Document Review Tool</b>	December 2023
<ul style="list-style-type: none"><li>• 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).</li></ul>	

## ACTIVITIES

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<b>So Plant Based Student Organization</b>	Los Angeles, CA
President	September 2021 – Present
<ul style="list-style-type: none"><li>• Meet with university administration and work to secure organization funding. Organize meetings and events.</li><li>• Raised over \$800 for animal sanctuary charities. Increased active membership more than 200%.</li></ul>	