

Mollie Jordan

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EDUCATION

North Carolina State University | Raleigh, NC

B.S. in Computer Science | GPA: 4.0

May 2025

Minor: Spanish

Relevant Courses: Software Engineering, Data Structures and Algorithms, Introduction to Artificial Intelligence, Operating Systems, Computer Graphics, C and Software Tools, Human Computer Interaction, Software Product Management

Organizations: University Scholars Program, Women in Computer Science, co-ed service fraternity Alpha Phi Omega

TECHNICAL SKILLS

Programming Languages: Java (Advanced), C (Intermediate), Python, JavaScript (Currently Learning)

Operating Systems: Windows

Developer Tools: GitHub, GitHub Actions, GitHub Projects, VSCode, Eclipse, Postman, Figma, JUnit, MySQL, Hibernate

Analysis and Communication: Microsoft Office, conversational Spanish fluency, Presentations, Collaboration, Fast Learner

INTERNSHIP EXPERIENCE

Software Engineering Intern, APIS & Integration | Pearson | Durham, NC

June - August 2024

- Optimized API integration processes by generating client SDKs with OpenAPI Generator, including comprehensive documentation for scalability, testing in Python and Java, and collaboration with global teams. Enhanced API usability with prompt engineering and generative AI techniques.
- Delivered a technical presentation on integrating OpenAPI Generator and SDK creation into the API development lifecycle to senior Pearson management.
- Participated in professional development sessions on industry trends, emerging technologies, and communication.

Undergraduate Researcher, Early Research Scholars Program | UC San Diego

June - August 2023

- Leveraged large language models to create culturally relevant educational resources for non-native English speakers in Computer Science. Included researched techniques of prompt engineering, generating Python problems in 4 natural languages, conducting user testing for accuracy and cultural relevance, analyzing and reporting data.
- Published paper in SIGCSE '24 and presented at the 2023 Summer Research Conference at UC San Diego.

PROJECTS

Curator's Compass Data Product Catalog | SAS & NC State Senior Design Center

January 2025 - Present

- Creating a data product catalog to allow technical and non-technical users to manage data assets to make data-driven decisions. Following Agile development, presenting routine oral progress reports and technical documents.
- Technologies: Docker, PostgreSQL, Python, FastAPI, React, Material UI, Material Design, GitHub, GitHub Projects

PUBLICATIONS

Jordan, M., Ly, K., & Soosai Raj, A. G. (2024, March). Need a Programming Exercise Generated in Your Native Language?

ChatGPT's Got Your Back: Automatic Generation of Non-English Programming Exercises Using OpenAI GPT-3.5.

In *Proceedings of the 55th ACM Technical Symposium on Computer Science Education V. 1* (pp. 618-624).

LEADERSHIP

Vice President | Backpacking Club at NC State

May 2024 – December 2024

- Facilitate club meetings, send all communication over email, schedule trip leaders, manage exec board members.

Social Media Manager | Backpacking Club at NC State

May 2023 - December 2023

- Manage social media accounts, design presentations and advertisements, plan and lead backpacking trips.

HONORS

Semester Dean's List (4.0 GPA)

Fall 2021 - Present