

Jessica Zenas

jzenas@umich.edu • (734) 679-3806 • 17468 Brookview Dr., Livonia, MI 48152

EDUCATION

University of Michigan

Ann Arbor, MI

Bachelor of Science in Computer Science, Minor in Drama

April 2024

GPA: 3.82 / 4.00

Coursework: Operating Systems (current), Web Systems, Software Engineering, Human-Centered Software Design, Data Structures and Algorithms, Discrete Mathematics, Computer Organization, Multivariable Calculus

Accomplishments: James B. Angell Scholar, Des Moines Community Leadership Certificate

RELEVANT EXPERIENCE

JPMorgan Chase & Co

Chicago, IL

Software Engineering Intern

June 2023-August 2023

- Implemented 3 new information retrieval features on a company chatbot using a Java Spring Boot application and various APIs, resulting in a 25% decrease in the actions required to acquire server and database status information
- Improved the code line coverage of a pre-existing repository by 31% by writing unit and integration tests using mocking
- Led my intern team as the agile scrum master by organizing daily standups and maintaining the team Jira board

Principal Financial Group

Des Moines, IA

Software Engineering Intern

May 2022-July 2022

- Built an AWS data pipeline that extracts and analyzes performance metrics that provide business insights to leadership
- Placed 2nd in the annual company-wide intern hackathon by successfully creating a unique application with a small team
- Developed agile development techniques which increased my team's productivity by improving communication, increasing code versatility, raising deployment frequency, and lowering mean time to recovery after deployment failure

University of Michigan

Ann Arbor, MI

Instructional Aide

August 2023-Present

- Instruct an upper-level computer science course regarding human-centered software design and development
- Lead office hour sessions by answering students' questions and explaining key computer science concepts
- Provide students with feedback on their progress through assignment grades, comments, and open discussions

Atlas Digital Consulting Group

Ann Arbor, MI

Analyst, Executive Board Member, Senior Advisor

February 2021-Present

- Coordinated the recruitment cycle for Winter/Spring 2022 by organizing two club marketing events, three rounds of interviews, and a holistic deliberation session, resulting in over 150 applicants and 17 admittees
- Collaborated with a team of undergraduates to assist companies in improving their technological resources
- Engineered products including resume parsers and matching programs using machine learning tools such as NLTK

PROJECTS

Social Media Feed

- Created a client and server-side dynamic social media page with a REST API using Python, React.js, HTML, and CSS

Operating System

- Developed various key elements of an operating system including a disk scheduler and thread library with mutexes, condition variables, and CPU thread scheduler; in the process of implementing a memory manager

Financial Literacy Calculator

- Produced a financial literacy website targeted toward women that aids users in planning their retirement and budgets

SKILLS

Programming Languages: C++, Java, C, Python, R, HTML, JavaScript, CSS, SQL

Technologies: AWS, React, Visual Studio Code, Visual Studio, Git, Confluence, Google Suite, Microsoft Office, Azure DevOps, Slack, Jira, Flask, React, Spring Boot, IntelliJ, Bitbucket, Windows, WSL, Linux, Kubernetes

Personal Skills: Problem-solving, adaptability, teamwork, communication, time management, leadership, creativity