

Zoe Cheimets

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EDUCATION

University of Michigan, Ann Arbor, MI

December 2023

LSA Honors, *Bachelor of Science in Computer Science*

GPA: 3.75/4.0

Relevant Courses: Human-Centered Software Design and Development, Data Structures and Algorithms, Introduction to Operating Systems, Introduction to Computer Organization, Software Engineering, Introduction to Computer Security, Web Systems, Computer Science Pragmatics

Awards: William J. Branstrom Freshman Book Prize, James B. Angell Scholar, two time University Honors Award

WORK EXPERIENCE

NASA Jet Propulsion Laboratory

May 2023 - August 2023

Simulation Software and Test Bed Intern

Pasadena, CA

- Adapted legacy code to remote reboot the development rack using pre-existing hardware via HTTP requests of XML files.
- Developed an aliveness check using a heartbeat ping that ensures connectivity between client and server as task threads run.
- Wrote Python scripts to simplify test bed use and universalize test bed reboots for all subteams.

University of Michigan's Bioastronautics and Life Support Systems

May 2022 - December 2023

Project Co-Lead

Ann Arbor, MI

- Developed a C# parametric simulation that assesses the effectiveness and efficiency of operations on a moon mission for an industry client in support of the Artemis mission.
- Planned and led 4 technical training sessions to ramp up new members on the current simulation.

University of Michigan

September - December 2021

Undergraduate Researcher

Ann Arbor, MI

- Created and tested a mobile app in AndroidStudio to report airborne virus levels by polling an Arduino-based sensor via BLE, and displaying a virus trending graph created with XML.
- Designed the user interface with drop-down menus and color-coordinated graphs to improve the user experience and engagement of the app.

Raytheon Missiles and Defense

Summer 2021, 2022

Digital Business Management Intern

Andover, MA

- Tested and debugged the Raytheon procurement system and filed potential issues to developers.
- Selected to lead nationwide procurement system training and created the training program and documentation.
- Awarded the Innovation Spot Award for initiating and organizing a remote team-building event for staff and management.
- Automated metrics for service team reports using Excel and added to the team's Microsoft sharepoint.

SKILLS

Software: Proficient in C++, C, C#, Python, JavaScript, Kotlin, AndroidStudio, XCode, VSCode, Google Suite, Microsoft Suite, GitLab, GitHub, React, Node.js, MongoDB

Project Management Methodology: Lean-Agile, Scrum