

Emily Lasecki

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Junior computer science student proficient in Java, JavaScript, and Python. Passionate about optimization and finding unique solutions to problems. Eager to explore all disciplines related to computer science. Able to prioritize tasks and multitask efficiently. Actively seeking opportunities to contribute technical and leadership skills to real-world projects.

Education

Oakland University

(September 2022 – April 2027)

- Pursuing a Bachelor of Science degree in Computer Science
- Maintaining a 3.98/4.0 cumulative GPA - President's List five consecutive semesters 2022 – 2024

Work Experience

Software Development Intern – Oakland University

Rochester, MI (August 2024 – Present)

- Create Google Apps Scripts to automate Handshake reporting, student referrals, and Google Forms responses
- Develop Python program to extract work experience portion of student resumes using Pandas and spaCy
- Create ticketing website for alumni access requests and automated notification features when a new response is recorded
- Preprocess data with pandas and create Looker dashboard for data visualization
- Manage and update user information in Handshake for 16,000+ student accounts and resolve errors with Handshake Importer
- Oversee technology inventory for 30+ MacBooks and ID scanners and configure for events
- Design Google Sheets formulas to analyze and track referral data
- Troubleshoot, test, debug, and resolve technical issues with various hardware and software
- Oversee and approve Handshake user experiences and approve alumni account access requests

Technical Projects

Campground Reservation Website – Java/HTML/CSS/JavaScript/SQL

- Created database to store site features and reservation information
- Designed and applied search by desired amenities and date availability
- Implemented user-friendly interfaces and adaptability across devices with media queries
- Developed a Python script to automate reservation creation to prevent system pauses
- Applied Scrum methodologies for project management and team collaboration

Renshuu Dashboard – Python/Tkinter/Matplotlib/PyInstaller

- Integrated resnhuu.org API to retrieve JSON data and display real-time user statistics
- Created a GUI to display daily objectives and used Matplotlib to create JLPT progress graph with buttons to toggle between views
- Created executable for easy file sharing and to automate the launch of Renshuu Dashboard during system startup

Nonogram Counting – Python/Pandas

- Created an algorithm using the principle of inclusion-exclusion to count possible nonogram grids
- Exported collected data to Excel using Pandas for data manipulation
- Analyzed and summarized results of calculations and established steps for follow-up projects

Technical Skills

Programming Languages: Java, JavaScript, Python, C, HTML, CSS

Software Applications and Tools: Microsoft Word, PowerPoint, Excel, Google Sheets, Git, GitHub, JIRA, Notion, Agile, Scrum

Activities and Achievements

- Oakland University's Department of Mathematics and Statistics Certificate of Merit for Outstanding Academic Achievement 2024
- Oakland University's Women in Computing (WIC) 2024 - Present
- Alpha Lambda Delta Honor Society 2023 - Present
- Stellantis Student Award 2023
- Oakland University Stephan Sharf Endowed Scholarship 2022