

James Wani J. Lako

Software Engineer

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SUMMARY

Innovative Software Engineer with a strong background and 4+ years of experience in Python, Java, Rust, and web development in JavaScript. Graduate of the University of Rochester with hands-on experience in collaborative software development utilizing agile methodology, and team leadership. Currently seeking a full-time role and willing to learn new technologies and languages. Open to relocation and remote work.

SKILLS

- **Programming Languages:** Python, Java, Rust, JavaScript, Typescript, C
- **Web Development & Database Management:** React, Vue, HTML, CSS, Tailwind CSS, MySQL, MongoDB
- **Development Tools:** VS Code, Google Cloud Platform (GCP), AWS, GitLab, Git, Jira

EDUCATION

Bachelor of Arts in Computer Science

Sept '22 – Dec '23

University of Rochester, Hajim School of Engineering

Rochester, United States

- **Related Coursework:** Data Structures & Algorithms, Artificial Intelligence & Machine Learning, Database Systems, Web Development, Design & Analysis of Efficient Algorithms, Computer Networks, Collaborative Software Development

EXPERIENCE

Software Engineer – Part time

Sept '22 – Dec '23

University of Rochester IT

Rochester, United States

- Developed and deployed a versatile & scalable lending library in a team of 6 to serve more than 2,000 students and faculty to reserve lab equipment utilizing React library tools and JavaScript.
- Restructured and optimized the design of the landing page leading to increased interaction and high-quality user experience, doubling usability and customer satisfaction by about 54%.

Software Development Engineer – Internship

Jul '21 – Dec '21

Piyata Ltd

Remote, United States

- Collaboratively designed and delivered an iOS and Android app using Flutter for over 100+ beauty shops, reducing customer wait times from 7 days to only a few seconds.
- Achieved an 8% decrease in the beauty management platform's load time by creating a custom analysis workflow integrating Firebase and MongoDB.

Campus Operations Manager – Internship

Aug '23 – Dec '23

Storage Scholars

Rochester, United States

- Orchestrated the relocation and logistics of over 150 students by leading a team of more than 20 movers and managing orders through a web portal, ensuring, punctual delivery and storage of belongings with accurate inventory tracking.

PROJECTS

Distributed Version Control System – Rust | Modular design

- Implemented in a group of four a modularly designed version control system in rust, encompassing established industry software design methodologies in modern collaborative software design practices.

Connect Four (Artificial Intelligent Agent) - Java | Adversarial Search

- Coded an AI agent for Connect Four with Adversarial Search & Alpha-Beta pruning, significantly increasing wins & minimax positions to under 45ms, cutting evaluation time by 80% and raised the win/tie ratio to 95%.

VOLUNTEERING

Technical Assistant Lead, University of Rochester IT

Jun '21 – Dec '23

- Devised and implemented a student employee training program through workshops, enhancing technical and communication skills and confidence by 50%.

Mentor, Yale Young African Scholars Program

Oct '19 – Aug '21

- Mentored and worked hand in hand with 10 high achieving high schoolers from Africa on the college application process, resulting in 7 receiving over \$1.4 million in scholarships to attend US colleges.