

Mark Strong-Shinozaki

Cloud Engineer | Arlington, VA, USA | 6464190905 | mark-strong@live.com | <http://MarkShinozaki.com> | [linkedin.com/in/mark-shinozaki](https://www.linkedin.com/in/mark-shinozaki) | github.com/MarkShinozaki

Education

Washington State University

Jan '24

Bachelors of Science | Computer Science

Certifications

Azure Fundamentals AZ 900

Oct '24

Microsoft

JNCIS-SEC - Security Associate

Dec '23

Juniper Networks

Work Experience

Washington State University - Cashmere Food Bank Organization

Full Stack Developer

Sep '23 - Apr '24

- Collaborated with a team of developers to design and implement a full-stack inventory management system for the Cashmere Food Bank Organization, streamlining operations and improving efficiency.
- Leveraged React.js for a dynamic, user-friendly interface and Firebase for robust real-time data management.
- Enhanced security by integrating OAuth2 authentication and role-based access control (RBAC), ensuring data protection and controlled access.
- Migrated manual, pen-and-paper workflows to a digital platform, boosting inventory management efficiency by 80% and enabling scalable, reliable cloud-based operations.

Washington State University - Voiland College of Engineering and Architecture

Computer Science 121 Teaching Assistant

Sep '21 - May '22

- Guided 50 students in mastering Program & Design Development using C/C++, focusing on problem-solving, algorithm discovery, and efficient program design.
- Led labs and lecture sessions to teach core concepts, including memory management, data structures, and object-oriented programming.
- Provided personalized feedback on assignments, fostering a deeper understanding of C/C++ syntax, debugging, and best practices.
- Demonstrated expertise in applying C/C++ to solve complex problems, optimize code performance, and develop structured, maintainable software solutions.

NYPD - Transit Distinct 4

Cloud Engineer / Community Affairs Intern

Aug '19 - Dec '19

- Digitized and organized paper documents into a centralized policing database using Microsoft Access and Excel, ensuring data accuracy and accessibility.
- Utilized scanning software and optical character recognition (OCR) tools to convert physical records into searchable digital formats.
- Developed proficiency in data validation and record management systems to ensure seamless integration into database workflows.
- Strengthened attention to detail and built a foundation in handling sensitive data.

Projects

Wildfire Tracker (FireMap)

Jun '20

- Developed a cloud-integrated web application using React.js, NASA APIs, and Google Maps APIs to visualize wildfire data, enabling real-time tracking and updates for over 1,000 data points.
- Designed and implemented cloud-hosted services, achieving a 50% improvement in data retrieval efficiency and ensuring scalable management of large spatial datasets.
- Enhanced user experience by introducing a customizable light/dark mode, increasing user engagement.
- Delivered a robust and visually intuitive solution for monitoring wildfire patterns, supporting proactive decision-making and safety measures.