MARI AOKI

(406) 540-2641   mariaoki109@gmail.com
Albuquerque, NM
www.linkedin.com/in/mari-aoki-109
www.github.com/maoki109

Education

MS Computer Science	Expected: May 2024
University of New Mexico – Albuquerque, NM	GPA: 3.66/4.0

BS Computer Science	May 2022
University of New Mexico – Albuquerque, NM	GPA: 3.94/4.0
Minors: Mathematics, Japanese	

Experience

Research Assistant — Aug 2022 - Present
COSMIAC – Albuquerque, NM

- Leading a distributed controls testbed project to demonstrate its potential for space solar power applications as part of the AFRL SSPIDR project.

NASA Pathways Intern — June 2022 – Aug 2022
NASA Ames Research Center – Mountain View, CA

- Applied natural language processing (NLP) technologies to help NASA streamline the mission certification process for project managers.
- Developed Python scripts to store mission certification items in a Neo4j database, an API to fetch data, and a UI in React JS to display items on a web dashboard.

Student Technical Specialist — Sep 2021 – May 2022
COSMIAC – Albuquerque, NM

- Researched Keras models to improve solar panel detection for computer vision applications in space.
- Assessed strategies to convert Darknet model weights to TensorFlow-Keras implementation of YOLOv3 for object detection.

Software Engineer Intern — May 2021 - Aug 2021
LinkedIn – Sunnyvale, CA

- Developed contextual tooltips using Ember.js and JavaScript for Sales Navigator to aid onboarding process for new users to utilize the product quickly and efficiently.
- Wrote a report on benefits and future potential of using a Session Replay tool in Sales Navigator to better understand user onboarding.

Awards & Memberships

Security Clearance:	Top Secret
UNM IEEE:	Web Master 2021-2022, 2022-2023, member since 2020.
UNM SWE:	Social Media Committee 2020-2021, member since 2019.
UNM Swimming:	Division 1 athletics, Scholarship Athlete, Co-Captain 2021-2022.
NMOST Scholarship:	2021 Advancing Young Women in STEM Scholarship for passion and commitment to the pursuit of knowledge in the STEM fields.
NSF S-STEM Scholar:	Scholarship program tasked with service learning/community engagement activities with local nonprofits to work on a technical project that will benefit the community. Spring 2021.
Women in Tech Scholarship:	2022 NMTC Women in Technology Scholarship for education, job retraining, or certification to progress career in technology.