

Mandy La

Computer scientist driven by curiosity and a passion for solving problems

SF Bay Area, CA
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EXPERIENCE

Google, Sunnyvale, CA — Software Engineer (Site Reliability)

APRIL 2022 - PRESENT

Reduce rollout tickets by 30% by designing and coding a plugin to enable use of a next-generation software rollout platform

Prevent outages of newly onboarded technologies by enforcing production-ready practices including testing, monitoring, and alerts

Triage and mitigate production outages of networking software on millions of machines to minimize customer impact and avoid revenue loss

IBM, Rochester, MN — Back-End Developer

JULY 2021 - MARCH 2022

Streamlined retrieval and interpretation of storage device data by developing a tool to retrieve and present it in an easily digestible format

Cut workload of RAID analysis team by 50% by designing a GUI application in Java that allows for quick traces analysis

Improved fault-tolerance of IBMi systems by anticipating future growth and usage when updating existing code base

Microchip Technology, Remote — Software Engineer Intern

OCTOBER 2020 - APRIL 2021

Increased workflow efficiency for millions of customers by designing a bit stream parser that extracts important information for FPGA programmers

Ensured easy maintenance of company code base through thoughtful object-oriented program design

Produced reliable programs by testing code frequently and thoroughly throughout development

EDUCATION

University of Chicago, Chicago, IL — B.S. Mathematics

SEPTEMBER 2017 - JUNE 2021

Research Experience with the Argonne National Laboratory to explore new applications for the Cerebras CS-1, a wafer-scale supercomputer

SKILLS

Python, C/C++, Go, SQL

Algorithms + Databases

Design + Documentation

Unit + Integration Testing

Oncall / Incident Response

ACHIEVEMENTS

Google Peer Bonus for excellent incident response practices during a high-profile production outage on ML/AI platforms.

Manager Spot Bonus for outstanding planning, execution, and documentation of a key project ushering the team into the next generation of rollouts.

COMMUNITY CONTRIBUTIONS

College Coach at ScholarMatch mentoring high school students through college applications

Coding Instructor at Women in Networking event at Cristo Rey's High School

Game Developer for a national hackathon bug hunt.