

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 — Site Reliability Engineer

APRIL 2022 - PRESENT

Designing, coding, and maintaining a plugin integral in adopting a new software rollout platform

Bring new technologies from development to staging to production complete with testing, monitoring, and alerts systems

On-call for the operation and upgrades of on-host networking software on millions of machines

IBM, Rochester, MN — *Back-End Developer*

JULY 2021 - MARCH 2022

Developed a C++ program to retrieve storage device data 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

PROJECTS

Personal Finance Tracker

Designed a web app that summarizes current financial standing using uploaded bank statements

Audio-Only Pong Game

Reimagined the classic game of Pong to be accessible for blind individuals by using vocal pitch as input to control paddles and volume to communicate ball location

COMMUNITY CONTRIBUTIONS

College Coach at

ScholarMatch mentoring high school students through college applications

Coding Instructor at Women

in Networking event at Cristo Reys High School