

MASON WILDE

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WORK EXPERIENCE

Senior Software Engineer

Aug 2019 – Mar 2024

Google - Chrome OS

Boulder, CO

- Refactored a Postscript Printer Description (PPD) file pipeline utilized by 20+ partner OEMs to add staging channels allowing rapid importing and testing of new PPDs with 90% less bugs reaching production
- Coordinated a 10+ engineer effort to upgrade, test, and triage a critical printing system daemon, completing the effort in half the time estimate
- Facilitated a 3-team, 40+ member effort to update and improve internal and external product documentation used by 1000+ open source developers
- Mentored 3 entry-level developers, assigning starting tasks, monitoring progress, and guiding the transition to full-time independent contribution
- Upgraded reporting infrastructure to incorporate in-depth printing and scanning analytics, ensuring data confidentiality, expediting user report handling and reducing triage and resolution efforts by 50%
- Led performance verification in an expedited kernel upgrade project by finding and addressing regressions, expanding automated testing, and ensuring performance standards improved, completing the project in 20% of the time needed for previous efforts
- Engineered an automated tool to optimize project coordination and enhance data security, reducing file structure creation time from hours to minutes, eliminating user error and insecure access-control lists

Site Reliability Engineering Intern

May 2018 – Aug 2018

Google - Cloud Infrastructure

New York, NY

- Extended an infrastructure service for automating reactions to utilize distributed system techniques and load-balancing to manage configurations across over 1000 instances, increasing the user capacity of the service by a factor of more than 100
- Collaborated with 5+ teams across Google to expand a Go math utility library to improve exponential weighted moving average functionality for use in smoothing load reporting values from server tasks with infrequent, but taxing workloads, sourced by 50+ projects

Engineering Practicum Intern

May 2017 – Aug 2017

Google - Protected Data Programs

Los Angeles, CA

- Designed machine learning algorithms and integrated private data systems in a Python environment, simplifying data access across 10+ sources, allowing developers to create and test models using real data, reducing iteration time by 80%
- Developed a command line tool to generate boilerplate code for experimental configuration files, reducing the time to create an experiment by a factor of 10

Undergraduate Research Assistant

May 2016 – May 2019

Dr. Dongkyu Choi's Cognitive Control Systems Lab

Lawrence, KS

- Researched and implemented effects of emotion on creativity and goal completion within ICARUS cognitive control artificial intelligence agents

EDUCATION

University of Kansas

May 2019

Bachelor of Science in Computer Science with Highest Distinction

Lawrence, KS

Chancellor's Scholar, Dean's List, Self Engineering Leadership Fellowship Cohort Lead, ACM Student President

LANGUAGES AND TECHNOLOGIES

Languages: C++, C, Go, Python, JS/TS, Haskell, HTML/CSS, LISP, BASH

Technologies: Linux, Sklearn, Tensorflow, PyTorch, Numpy, Pandas, Google Cloud, Svelte, PostgreSQL