Mason Wilde

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Work Experience

Software Engineer *Aug 2019 – Present*
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, Javascript, Haskell, LISP, BASH

Technologies: Linux, Sklearn, Tensorflow, Numpy, Pandas, Google Cloud, SvelteKit, Django, MongoDB, PostgreSQL