MATTHEW CHUNG
Software Developer

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Internship Experience

Facebook — FALL 2019

- Built landing page for Watch Party product with customized content feed and creation surface (facebook.com/watchparty)
- Increased time spent watching by 2.5% with a scheduled message prompting users to share the Watch Party with friends or a group

Postmates — WINTER 2019

- Built an internal tool allowing customer support agents to issue refunds ~15% faster by automating repetitive actions
- Shipped feature to automatically detect and fix incorrect restaurant hours of operations based on courier signals

Google — SUMMER 2018

- Designed and implemented infrastructure to record user-perceived load performance for Gmail
- Created dashboards to chart tracing durations with the ability to filter on several dimensions

Zynga — FALL 2017

- Developed and executed plan to consolidate Vertica, Couchbase and Memcached servers into a single source of truth
- Implemented Github webhooks, eliminating a five minute polling delay on updates

Yahoo! — WINTER 2017

- Reduced the time complexity of an algorithm to calculate the optimal lineup of football players with constraints on salary, performance and position from 15 minutes to 50 milliseconds

Skills & Technologies

Java | Python | JS | Node.js | PHP | SQL
Redis | Memcached | Terraform | Git

Projects

Nandban — nandban.mchung.ca

- Designed an emergent complexity simulation with Turing complete properties in JavaScript
- Simulated a functional 8-bit adder within Nandban
- Added support for import and export of game state to JSON

Opencards — opencards.mchung.ca

- Developed a web application that allows users to create, modify and share flashcards
- Backed up database on a recurring basis with Unix cronjobs

Achievements

Google Code Jam — 2016

- Advanced to Round 2 of Google's international programming contest
- Placed in the top 7% of all competitors

ECOO Programming Contest — 2015

- Achieved 3rd place out of 400 teams in Ontario-wide programming contest

Education

University of Waterloo — SINCE FALL 2015

- Bachelor of Computer Science
- Expected to graduate April 2020