

Jeffrey Wu | Engineer

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SKILLS

- **Languages:** Javascript/Typescript, Ruby, Lua, C/C++, HTML, CSS3/SASS/LESS, LaTeX
- **Frontend:** React, Angular, Polymer, D3.js, Expo & React-Native, webpack, websockets, webRTC
- **Backend:** AWS, Ruby on Rails, Node.js, MySQL, MongoDB, Firebase, GCP, REST, GraphQL, Heroku, Express
- **Other:** Git, Photoshop, Figma, Jest and Mocha, Single Page & Progressive Web Apps, Responsive Design

EXPERIENCE

Amazon

Toronto, Canada

Software Development Engineer - AWS Directory Services

May 2021 - Present

- **Saved over 60 developer weeks per year (~\$10 Million) as a pioneer in the global AWS Build Automation project.**
- **Earned the RBA Champion Award** by helping other teams achieve Build Automation by consolidating ambiguous information and sharing through presentations, internal forums, messaging tools and ad-hoc work sessions.
- **Prevented service downtime** by integrating load-balancing sub-service and **improving customer experience by decreasing latencies by 8547%** (20s to 234ms 99.99th percentile).
- Reduced pager incidents to less than 2 per week and maintained 99.99% availability for multiple tier-1 services.

Chalk (Acq. by PowerSchool)

Waterloo, Canada

Fullstack Developer

May 2021 - Jun 2022

- **Broke the \$100K USD/YR subscription revenue barrier (ARR)**, smashing the startup's projected \$80K USD/YR goal by +25% through fast paced React and Rails development of multiple highly requested features.
- **Drove 21% increase of active users** by shipping numerous qualities of life improvements to the core application.

Shopify

Montreal & Waterloo, Canada

Backend Developer Intern | Shopify Plus, Checkout Team

Jan – Apr 2020, Sep – Dec 2020

- **Helped save over \$76.7M USD of annual revenue** working as part of a critical focus team to overhaul Shopify's checkout and prevent transaction highjacks.
- **Enabled merchants to prevent over \$1M in revenue losses** by architecting an error handling and reporting system allowing 3rd-party developers to trigger actions upon credit card failures for subscription purchases.

MyTime

San Francisco, USA

Fullstack Developer Intern

May 2019 – Aug 2019

- **Increased internal dashboard page-load speed by 760%**, decreasing SQL query times from 1.9s to 250ms using database indexing, fixing join ordering, and leveraging caching.
- **Decreased the finance team's data aggregation work by 80%** by building an internal billing dashboard for enterprise customers with custom subscription plans.

Mitre Media

Toronto, Canada

Web Developer Intern

Sep 2018 – Dec 2018

- **Doubled paid subscription signups** originating from the Dividend Stocks search page by adding a daily limit to the search functionality.
- Discovered and fixed a database mismatch regularly causing 500+ marketing emails to be missent every month.

Unyte Health

Toronto, Canada

Software Developer Intern

Jan 2018 – Apr 2018

- **Developed the core product promised during the company's Kickstarter campaign:** a dashboard that enabled visualization of users' biofeedback data and sessions from their mindfulness training.

EDUCATION

University of Waterloo

Waterloo, Canada

Honours Mechatronics Engineering (BASc)

Sep 2017 – Apr 2022

- Cumulative GPA: 3.9/4.0 – JMP Engineering & Professional Engineers Ontario Scholarships

PROJECTS & INTERESTS

- **Carpentry & Home Improvement:** Flooring, plumbing, electrical, interior millwork, etc. Check it out on my [website!](#)
- **Home Networking:** Self learning CCNA content, optimized my own home network with a smart home server!