Jeffrey Wu

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SKILLS

- **Programming Languages:** Javascript/Typescript, Ruby, Lua, C/C++, HTML, CSS/SASS/LESS, LaTeX
- **Frontend:** React, Angular, Polymer, D3.js, Expo & React-Native, webpack, websockets, webRTC
- **Backend:** Ruby on Rails, Node.js, MySQL, MongoDB, REST, HTTP(S), GraphQL, Firebase, AWS, GCP
- **Other:** Git, A/B Testing, UI/UX design, Algorithms, Agile & Scrum, Systems Design

EXPERIENCE

Chalk
Waterloo, Canada
Fullstack Developer Intern
May 2021 - Present

- **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.
- **Brought huge amounts of user delight with Chalk Themes,** that allowed user customization of their daily planner. Designed, pitched, and developed this feature **after personally reading hundreds of user feedback docs.**

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.
- **Allowed +7 engineering teams to be launch ready 1 week ahead of schedule** by building an internal load testing library to simulate high-load traffic and ensure their projects could handle high volume network traffic.
- Took the initiative to build an internal tool to show lunch and breakfast menus at all Shopify offices.

MyTime
San Francisco, USA
Fullstack Developer Intern
May 2019 – Aug 2019

- **Increased internal dashboard page-load speed by 750%**, 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 (Expected)

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

PROJECTS & INTERESTS

- **Entrepreneurship**: Pitched a digital restaurant menu and next-gen POS platform at Velocity (startup incubator)!
- **Carpentry & Home Improvement**: Tile, plumbing, electrical, interior millwork, etc. Check it out on my website!
- **Home Networking**: Self learning CCNA content, optimized my own home network with and smart home server!
- **Fitness & Nutrition**: I've been weightlifting for 6 years and have a passion for cooking.