

Professional Experience

Lead Software Engineer

Dropbox, Identity Protection Team

Feb 2022 – Present

Singapore

- » Mentored 14 engineers in APAC, EMEA, and US as the **technical lead of Dropbox Passwords**, guiding the team's long-term technical strategy, project execution, and product architecture
- » **Defined multi-year roadmap** with product/design leads based on direct customer research, growing the product to 20K+ businesses and increasing revenue retention rate by 20%
- » Established a working group of 30 engineers to enhance browser extension development, enabling **50x build speed improvements**, automated releases, and rapid prototyping
- » Implemented Python API services and TypeScript clients for team security health monitoring
- » **Founded Singapore engineering site**, driving local recruitment and APAC sales partnerships

Senior Software Engineer

Dropbox, Passwords Team

Feb 2020 – Jan 2022

Seattle, WA

- » Developed and **launched Dropbox Passwords**, a secure zero-knowledge password manager for desktop browsers and mobile devices, growing from 0 to **100K+ weekly active users**
- » **Led a team of 4 engineers** in building a cross-platform browser extension using TypeScript, React, esbuild, and Jest, increasing user activation rate by **36%** and engagement by **100%**
- » **Implemented secure authentication and storage** protocols based on XChaCha20-Poly1305 encryption and X25519 ECDH key agreement using WebAssembly compiled libsodium.js

Software Engineer

Dropbox, Payments Team

Aug 2017 – Jan 2020

Seattle, WA

- » Developed scalable Python backend systems to process **\$2 billion/year** of global payments
- » Designed and implemented credit card processing optimizations, resulting in increased authorization rates, reduced customer churn, and **millions in annual recurring revenue**
- » Created data pipelines with MySQL and Hive for revenue analysis and financial reconciliation

Software Engineer Intern *Dropbox*

May 2016 – Aug 2016

Software Engineer Intern *Uber*

May 2015 – Jul 2015

Software Engineer Intern *Munchery*

Jun 2014 – May 2015

Education

M.S. in Computer Science

University of California, Berkeley

Aug 2016 – May 2017

B.S. in Electrical Engineering and Computer Science

University of California, Berkeley

Aug 2013 – May 2016

Student Exchange, School of Computing

National University of Singapore

Aug 2015 – Dec 2015

Technical Skills

Expert: Python, JavaScript, TypeScript, React, HTML, CSS, WebExtensions, esbuild, Jest

Proficient: Node.js, Electron, Java, MySQL, PostgreSQL, WebAssembly, Git, AWS, webpack

Familiar: iOS (Swift), Android (Kotlin), Ruby on Rails, PHP, MongoDB