

Professional Experience

Lead Software Engineer

Dropbox, Identity Protection Team

Feb 2022 – Present

Singapore

- » **Founded the Singapore engineering site**, driving local talent recruitment and forming strategic partnerships with APAC sales leads to support international customer expansion
- » **Mentored 14 engineers across APAC, EMEA, and US**, growing Dropbox Passwords to 20K+ businesses with new security health monitoring, team management, and sharing capabilities
- » Established a working group of 30 engineers to enhance browser extension development, enabling **50x build speed improvements**, automated releases, and rapid prototyping
- » Migrated **100K+ LOC** browser extension codebase to support Manifest V3 service workers

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 for Chrome, Edge, Firefox, and Safari, leveraging TypeScript, React, esbuild, Jest, and WebExtensions API
- » **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

GPA: 3.7

B.S. in Electrical Engineering and Computer Science

University of California, Berkeley

Aug 2013 – May 2016

GPA: 3.896

Student Exchange, School of Computing

National University of Singapore

Aug 2015 – Dec 2015

GPA: 4.0

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