

Kevin Chavez

keh222@cornell.edu · +1 (929) 224-2839 · <https://github.com/mrkev>

Experience

Facebook, Inc. · *Software Engineer - Web Platform Insights Team, Web Speed Team* (Feb '18 - Present)

- * Drove **cross-team project** to improve text input on web products. Developed a **typing responsiveness** metric to be used across the org. Through a series of optimizations, improved responsiveness for millions of users.
- * Lead maintainer of [Draft.js](#), the **open source text input library** used by Facebook, Twitter, Reddit, and other sites. It is the **seventh most starred open-source project** on Facebook's Github organization.
- * Refactored core parts of text input for **reliability and performance**. Fixed bugs reported to Facebook, Apple and Mozilla, present in Facebook, Twitter, and other sites using Draft.js.
- * Designed and built Facebook Browser Tools (FBBT); a **client-side web tooling platform**. After initial success with Facebook, ported to Workplace, Ads Manager and Messenger.
- * Extended FBBT with **12 different tools and utilities**. Helped **4 other teams** extend it with specialized tools. Use-cases today include product experimentation, various performance inspectors, page configuration for internationalization, SSR, resource delivery, device-class overrides amongst others.
- * FBBT sees an average of **400+ connections** a day and **200+ distinct users** per month, with an average satisfaction score of **4.5/5**.
- * Implemented various other internal tools and systems.

Facebook, Inc. · *Software Engineering Intern - People Products Team* (Summer '17)

- * Built a **full stack web tool** to manage intern/mentor pairing. Worked in close collaboration with designers and customers. First tested by intern coordinators **managing the Winter 2017 internship program**.

Square, Inc. · *Software Engineering Intern - Production Engineering Team* (Summer '16)

- * Wrote CLI tools to image and **validate server configuration** across the thousands of servers in the fleet.

Tumblr · *Software Engineering Intern - API Engineering Team* (Summer '15)

- * Built pipeline powering **instant-message notifications**. It delivered **9+ million notifications** in the first 2 days after release. Built API layer for other minor features and improvements.

TEACHING ASSISTANT

- **Functional Programming (CS 3110)** (Spring '16, Fall '17)
- **Introduction and Practicum in Operating Systems (CS 4110/11)** (Fall '16, Spring '17)

Education

Cornell University, College of Engineering

- Master of Engineering in Computer Science. (Grad. Dec 2017)

Cornell University, College of Arts and Sciences

- Bachelor of Arts in Computer Science · *Minor: Computing in the Arts.* (Grad. May 2017)
- Jonathan E. Marx Senior Prize, Cornell Computer and Information Science.
- Select courses: *Practicum in Compilers, Programming Languages & Logics, Practicum in Computer Graphics, Practicum in Operating Systems, Data-Driven Web Applications, Digital Media.*

Leadership, Mentorship, D&I

Under-Represented Minorities in Computing · *Co-Founder, Co-President, Graduate Advisor* (2016 - 2017)

- * **Founded and led the organization.** It is now one of the largest undergrad CS student groups in Cornell.
- * Landed the organization's first corporate sponsors. Built its first branding image, website. Recruited new members, **defined the mission, values.**
- * Organized **mentorship, community and career events.**

Open Source Cornell · *Officer* (2014 - 2017)

- * Helped run club meetings, community projects.

Association of Computer Science Undergraduates · *Academic Team Officer* (2015 - 2017)

- * Helped organize and execute projects and events.