

Sasha Weiss (Alexander)

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EDUCATION

Northwestern University, McCormick School of Engineering, B.S. and M.S. in Computer Science

June 2018, Magna Cum Laude (GPA 3.87)

Notable courses: Design, Technology, and Research, Digital Forensics, Compiler Construction, Machine Learning, Human-Computer Interaction, Operating Systems, Programming Languages, Communication Networks, Algorithms

EXPERIENCE

Software Development Engineer, Microsoft — Microsoft Teams, Seattle WA

September 2018 - Present

- Building the *Teams for Life* iOS client (TFL), a consumer-facing communications hub. Shipping to 100k+ internal users (Fall 2019), eventually 6M+ Teams users (Spring 2020).
- Enabling rapid communications-app construction by developing *Teams-as-a-Platform*, a restructuring of the Teams iOS client to support partner apps building on Teams infrastructure. Consumed by TFL.
- Supporting secure secret-sharing in TFL chats by designing security model for end-to-end-encrypted (E2EE) Vault feature. Developed E2EE SDK for iOS client. Shipping with TFL to 100k+/6M+ users.
- Increasing visibility of chat media by leading the Teams Gallery feature (iOS). Shipping to 6M+ users (Fall 2019).

Software Engineering Intern, Braintree Payments — Developer Experience, San Francisco CA

June 2017 - September 2017

- Automated SDK development by building a code generation tool to consume REST API specs and produce SDKs, targeting Java, Python, Node.js, and Ruby.
- Prepared to open-source the SDK generator with documentation, tutorials, and samples. Demoed internally.

Research Lead, Northwestern University Delta Lab — Microreminders, Evanston IL

March 2016 - January 2018

- Supported long-term behavior change by leading research into context-aware microreminding techniques.
- Evaluated microreminding principles through iterative deployment of iOS reminder systems.

Teaching Assistant, Northwestern University EECS Department — Various courses, Evanston IL

January 2016 - June 2018

- Taught software development principles in C++, Python, and Racket to 100-400+ students/quarter.

LANGUAGES AND TOOLS

Proficient

Swift, ObjC, Rust, Shell
Xcode, Git, Vim, Tmux, Cargo

Familiar

Go, Python, Docker

NON-WORK PROJECTS

itree (Rust): an interactive version of the ``tree`` utility. On Homebrew!

Syncterm (Rust): a library for networked, synchronized CLI apps. On crates.io!

Bracket Jumper (TypeScript): a VSCode extension allowing easy bracket-based navigation. 7400+ installs, community interaction via Github.

Shoutkey 2.0 (Golang): a rebuild of the now-defunct shoutkey.com tool

ACTIVITIES AND INTERESTS

- French language (conversational, Canadian accent), ballet + theater, dairy-based desserts, dogs, Star Wars.