

Sasha Weiss (Alexander)

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EDUCATION

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

June 2018, Magna Cum Laude (GPA 3.87) — Evanston, IL

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 for Life/GroupMe

September 2018 - Present — Seattle, WA

- Building the *Teams for Life iOS client (TFL)*, a consumer-facing version of the Microsoft Teams communications app. Dogfooding now with friends-and-family, eventually shipping to 6M+ Teams users (Spring 2020).
- Supporting rapid communications-app construction by developing *Teams-as-a-Platform*, rearchitecting the Teams iOS client to support apps built on Teams infrastructure. Consumed by ~100 developers on TFL.
- Increasing visibility of chat media by leading the *Teams Media Gallery feature* (iOS).
- Empowering secure secret-sharing in the *Teams Lockbox feature* (iOS) by building a network + persistence SDK.
- Prototyping consumer authentication for *Teams microservices architectures* (C#, Azure, GraphQL), enabling TFL to leverage new and existing Teams services.

Research Lead, Northwestern University Delta Lab — Microreminders

March 2016 - January 2018 — Evanston, IL

- Supported long-term behavior change by leading research into context-aware microreminding techniques.
- Evaluated microreminding principles through iterative deployment of iOS reminder systems.
- Presented findings in a research manuscript, submitted to CHI 2017. Available upon request.

Software Engineering Intern, Braintree Payments — Developer Experience

June 2017 - September 2017 — San Francisco, CA

- Automated SDK development by building a *code generation tool* (Golang, Docker) to consume REST API specs and produce SDKs, targeting Java, Python, Node.js, and Ruby.

Teaching Assistant, Northwestern University EECS Department — Various courses

January 2016 - June 2018 — Evanston, IL

- Led office hours and tutorial session in C++, Python, Racket to 100-400+ students/quarter.
- Worked closely with faculty to develop instructional materials, coursework, and exams.

LANGUAGES AND TOOLS

Proficient

Swift, ObjC

Experienced

Python, Rust, Go, Shell

NON-WORK PROJECTS

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

Bracket Jumper (TypeScript): a VSCode extension allowing easy bracket-based navigation. 7900+ installs, community interaction via Github.

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

ACTIVITIES AND INTERESTS

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