Sasha Weiss (Alexander)

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EDUCATION

Northwestern University, McCormick School of Engineering – B.S./M.S., GPA 3.89/4.00

September 2014 - June 2018 (anticipated)

Notable courses: Design, Technology, and Research (DTR), Human-Computer Interaction, Compiler Construction, Operating Systems, Programming Languages, Communication Networks, Statistical Language Modeling, Machine Learning, Artificial Intelligence, Theory of Computation, Geospatial Visualization, Social Affect in Game Characters

EXPERIENCE

Braintree Payments, San Francisco — *Software Engineering Intern*

June 2017 - September 2017

➔ Automated SDK development by building a code generation tool with Go and Docker that consumes a REST API specification and produces fully-functional SDKs in Java, Python, Node.js, and Ruby.
➔ Prepared to open-source the SDK generator with extensive documentation, tutorials, and samples.
➔ Reduced load on our API gateway by helping build and roll out a caching layer for common repeated requests.

HERE Maps, Chicago — *Software Engineering Intern*

June 2016 - September 2016

➔ Reduced processing time of 2 beta products by 2x and 50x by developing and deploying a service to prevent redundant queries via custom indexing into map datastores, using Scala and Docker.

Northwestern University Delta Lab, Evanston — *Undergraduate Researcher*

March 2016 - Present

➔ Exploring context-aware microreminding techniques for supporting long-term behavior change.
➔ Evaluating microreminding principles through iterative deployment of prototype iOS reminder systems, built with Swift and Firebase.
➔ Communicating novel findings to broad audiences via preparation of a conference manuscript.

Northwestern University EECS Department, Evanston — *Undergraduate Teaching Assistant*

January 2016 - Present

➔ Teaching software development principles in C++, Python, and Racket to 400+ students/quarter in tutorial sessions and office hours.

LANGUAGES AND TOOLS

Proficient

TypeScript, Python, Swift (iOS)
Unix, Git, Vim, tmux

Familiar

Go, C++, Scala, HTML/CSS, Ruby, Java
Firebase, Docker, Rake, Gradle, Gulp

PROJECTS

Rocky (TypeScript): a networked, heuristic-based AI for playing round robin Parcheesi tournaments.
LC Compiler (C++): a multi-pass, modular compiler targeting a subset of C.
WhichProf? (Python, HTML/CSS): a machine learner matching your voice to similar EECS professors.
CalendarAndChill? (Meteor): a tool to automatically organize social events.
Awarded *Best Project for Connecting People*, HackIllinois 2016.

ACTIVITIES AND INTERESTS

➔ Student theater, building sets and supporting designers for student-written productions.
➔ Ballet, French (conversational, Canadian accent), dairy-based desserts, dogs, Star Wars.