adam@zethrae.us +1 (401) 339-8675

SKILLSET

Active use: iOS: Swift, RxSwift, Cocoa. Technical leadership & Communication. Familar tools: Objective-C, Java, Python, Go, C++, JavaScript.

### **EXPERIENCE**

#### Uber — Sr. 2 Mobile Tech Lead & Architect

07/2015—Present

Uber: New Mobility (Bikes, Scooters, 3rd party micromobility) 07/2018—Present

- Led mobile launches for, and owned health of, products which supported (on the order of magnitude of) a hundred cities and a million rides/week at peak. Launched JUMP Scooters, 3rd party Lime Scooters, and 3rd party Cityscoot mopeds in the EU.
- Responsible for establishing and maintaining rigorous engineering, oncall, metrics/data-science, and monitoring practices within the ~40 engineer bike/scooter group.
- Spearheaded and led a reactive programming (RxSwift/RxJava) based mobile rearchitecture which improved app responsiveness (by enabling state update pushes from the backend) and startup times (p90: 7 seconds → 400 milliseconds).
- Led the cross-org effort to integrate Uber's micromobility offerings into the app's main entrypoints (example), lifting first trips by ~20%.
- Designed, evangelized, and spearheaded an API redesign to facilitate 3rd party micromobility integrations. This extensible contract decreased the cost of development for new vehicle types and partnerships.
- Co-Architected the self-standing JUMP 2.0 and JUMPStarter contractor apps.

Uber: Mobile Platform, iOS

01/2017—06/2018

I fostered and guarded the architecture and code health across all of Uber's mobile presence and business lines. My responsibilities and initiatives included migrating business critical infrastructure, code reviewing the most fragile app changes, designing a shim layer supporting Uber's new Swift based RIB architecture, improving experiment reliability, driving down Rider app startup time, and building out Uber's mobile training sessions.

Uber: Driver Organization, iOS

07/2015—12/2016

Led Driver Profiles mobile feature team. Earlier: Driver growth & referrals.

Sparks (Greylock seed funded), Fullstack Engineer

05/2014 - 06/2015

iOS and Python/Flask/EC2 engineering for Apple and Facebook featured social apps.

# Amazon AWS Web Browser Engineer

09/2012-02/2014

I worked on the C++/Chromium Content API layer of Amazon Silk, building an enhanced Android WebView and owning implementation of interfaces for then unexposed Chromium functionality including incognito profiles, prerendering, and resource prefetching.

## **EDUCATION**

## Brown University A.B. Computer Science

2008 - 2012

CS lead TA / Course Designer: CS4 (Scientific Computing), CS 132 (Web Development) Further TA work: CS15 (Intro to OOP), CS31 (Systems), CS180 (Cybersecurity Policy) Extracurricular: Varsity Fencing

# PERSONAL NOTES

Fluent in Swedish & English. Swedish & US citizen.

Passions: Neon artist, avid skiier, long distance runner.

Free time: Reading (founded and run a Tech/Business book club) and learning beyond my day job (e.g. Andrew Ng's machine learning course, computer graphics, programming languages, and currently: quantum mechanics/computing fundamentals.)