

# Sam Gehman

University of Washington, Seattle  
Bachelor of Computer Science

sgehman@cs.uw.edu  
samgehman.com  
+1 818-455-1036  
github.com/thesamuel

I'm Sam, a junior in CS expecting to graduate in June 2019. I'm interested in a broad range of software internships for Summer 2018, but I have experience with mobile dev & UI design.

## Experience

### NASA Jet Propulsion Laboratory — Pasadena, CA

Software Engineering Intern, iOS/Swift

- + *Developed* an iPad dashboard for mobile mission statuses, with spacecraft visualizations and chat.
- + *Worked with* members of the Psyche and Mars 2020 team to create an intuitive interface.
- + *Learned to* make UI frameworks, persist data with NSCoding, use Swinject (DI), RESTful chat.

Jun - Sep 2017



### UW CSE Teaching Assistant Program — Seattle, WA

TA for CSE 14x (Intro to Programming) and CSE 351 (HW/SW Interface)

- + *Lead* weekly 1-hour classes where I review current material and answer questions.
- + *Help* students understand new material during office hours; make analogies and drawings.
- + *Grade* Java and C coding assignments, commenting where there is room for improvement.

Sep 2016 - pres.



### Motorola Solutions — Seattle, WA

Software Engineering Intern, iOS/Objective-C

- + *Developed* a push-to-talk (radio) application in Objective-C.
- + *Worked with* mentor to deliver in 4 weeks using Agile methodologies.
- + *Learned to* encode audio streams using Core Audio, present notifications, use effective Git branching.

Jun - Aug 2016



## Education

### University of Washington — Seattle, WA

Bachelor of Computer Science, Junior, 3.69 GPA — *expected graduation June 2019*

*CS courses:* Data Structures (332) [IP], Software Design (331) [IP], Functional Programming (341), Foundations (311), Systems (333), HW/SW Interface (351), Intro Series (142, 143).

*Additional:* Matrix Algebra, Industrial Design, Economics, Accounting.

2015 - 2019



## Recent Projects

### Agendawg

A published iOS app that scrapes the UW registration page and parses it for schedule information, then adds it to a calendar.

### OneBusAway (Apple Watch app)

An Apple Watch companion app for OneBusAway. Shows saved/nearby bus routes, and maps nearby stops.

### DishDeputy

An OpenCV program that recognizes the faces of people who leave dishes in my dorm sink. I implemented the eigenfaces facial detection code in Python. Work in progress.

### CandyCrush (CSE 333 partner project)

Recreated Candy Crush with C++, including a GTK GUI, sockets server, and a threaded solver. Used CMake to build.

## Skills

### Languages

Java, Swift, Objective-C, C/C++, HTML, CSS

### Tools

Shell, Git, Agile, Photoshop, Sketch, IntelliJ, Vim