

# Jack Thakar

San Francisco Bay Area

jack@jackthakar.com  
jackthakar.com  
github.com/jathak

## Education

University of California, Berkeley

B.A. in Computer Science

August 2014 - May 2018 (expected)

**Relevant Coursework:**

CS 70 - Discrete Math & Probability (A)

CS 170 - Theory (A-)

CS 61A - SICP (A+)

CS 61C - Computer Architecture (A)

CS 168 - Networking (In Progress)

CS 61B - Data Structures (A)

CS 188 - AI (A)

CS 184 - Graphics (In Progress)

## Technical Skills

**Programming Languages:** Dart, Java, Python, Scheme, C, JavaScript, MIPS Assembly, SQL

**Platforms and Libraries:** Android, Web, Bootstrap, Flask, Nginx

**Tools:** Git, Unix Shell (Bash and Fish), Make

Proficient / Working Knowledge

## Work Experience

CS 61A Undergraduate Student Instructor

Responsible for teaching labs and discussions, holding office hours, creating and grading assignments and exams, and developing course software.

UC Berkeley EECS

June 2016 - present

CS 61A Tutor

Led a small-group tutoring session weekly, assisted students in office hours, helped grade assignments and exams, and worked on development projects.

UC Berkeley EECS

January - May 2016

## Selected Projects

**Online Scheme Interpreter and Visualizer**

[scheme.cs61a.org](http://scheme.cs61a.org)

An online implementation of 61A Scheme with several added features, including an environment visualizer, sharing, themes, and extensive JS interop. Used by 61A students to help learn Scheme and debug their code.

*Built with Dart, Scheme, HTML/CSS, and JavaScript*

**Lambda Editor (WIP)**

[github.com/jathak/lambda-editor](https://github.com/jathak/lambda-editor)

A hackable code editor written in 61A Scheme on top of the scheme.cs61a.org interpreter and the Ace editor component. Once I add more functionality and improve stability, I intend to use this as my primary editor.

*Built with Scheme, HTML/CSS, JavaScript, and Dart*

**Piazza Slack Bot**

[github.com/jathak/piazza-slack-bot](https://github.com/jathak/piazza-slack-bot)

A simple bot that embeds Piazza posts in Slack. It is currently used by the CS 61A staff's Slack.

*Built with Python*

**SF Launcher 2**

[sflauncher.com](http://sflauncher.com)

A custom homescreen for Android built around a scrolling list of cards that contain apps and widgets. It has been featured on XDA Developers ([goo.gl/6EJVZ2](http://goo.gl/6EJVZ2)) and Droid Life ([goo.gl/MDffbN](http://goo.gl/MDffbN)), among other sites. This is a rewrite and redesign of the original SF Launcher that I built in 2013.

**Targets Assignment Manager**

[codetargets.com](http://codetargets.com)

An assignment manager and autograder designed for high school CS classes. It's built around a web-based console that connects to a desktop client for file access and running code.

*Built with Dart, HTML/CSS, and Bootstrap*

**Jack's Music Widget**

[goo.gl/pU934M](http://goo.gl/pU934M)

A universal music widget for Android 4.4+. It was featured as an Android Central Editor's App of the Week in November 2014 ([goo.gl/tz3KgH](http://goo.gl/tz3KgH)).