

# RASUL SAFA

Cupertino, CA · me@rasul.codes · (408) 839-5211 · rasul.codes

## EDUCATION

---

**University of California, Irvine**  
BS Computer Science

Irvine, CA  
Expected 2020

## EXPERIENCE

---

**Pacific Biosciences of California**  
*Freelance Software Developer*

Menlo Park, CA  
2016 — 2017

- Built tool to calculate time required to sequence genome based on sample size and heterozygosity.
- Wrote web tool to periodically search the National Library of Medicine database PubMed and scrape relevant articles based on keywords that appear in the publication.

**Future Engineers Camp**  
*Software Developer*

Cupertino, CA  
2015 — 2018

- Created online student registration and storing with an integrated payment system
- Optimized old Future Engineers Camp website as well as redoing the class selection UI
- Setup email alerts system and basic CMS for managing available courses

**Third Wave Analytics**  
*Web Developer*

San Francisco, CA  
2013 — 2014

- Built original website, as well as concepts for future product pages

## SKILLS

---

Languages: Java, Python, C++, C#, SQL, PHP, HTML, CSS, JS, Swift  
Frameworks: Android SDK, Unity SDK, jQuery, Node.js, Chrome Extensions API, iOS SDK  
IDEs: Android Studio, Unity Editor, Xcode, JetBrains Suite

## PROJECTS

---

**Future Engineers Camp Registration** *PHP, SQL, HTML, CSS, JS, jQuery, Braintree API*  
futureengineerscamp.com/register/

A student registration system for an engineering themed summer camp. All payments are received and processed through the Braintree Payments API and customers receive emailed receipts through the Mailchimp API.

**Whole Genome Sequencing Calculator** *PHP, HTML, CSS, JS, jQuery*  
pacb.com/calculator-whole-genome-sequencing/

An online calculator that lets customers determine how much time it will take to sequence a DNA sample, as well as the minimum quantity of DNA needed.

**Super Smash Brothers: Java** *Java*

rasul.codes/SSBJava.jar

My multiplayer game project based on a popular Nintendo game. Up to twelve players can play together over LAN. This project uses Multicast Sockets for players to easily play with each other on different devices.

**Personal Website** *HTML, CSS, JS, jQuery*

rasul.codes

My website, where you can find all of my projects listed under the Projects section as well as my resume.