

## Joshua Young

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2955 25th Ave | San Francisco, CA 94132

### EDUCATION

**University of California, Los Angeles (UCLA)**

**Expected Graduation Date: June 2022**

Bachelor of Science, Computer Science

**College of San Mateo (High School Concurrent Enrollment)**

**June 2014 - December 2017**

### SKILLS

**Programming Languages:** Python, C, C++, C#, SQL, XAML, Java, HTML/CSS, Bash

**Operating Systems and Environments:** Windows 7/8/10, Linux, MacOS High Sierra

**Development Tools:** AWS, Xcode, Git, Visual Studio

### PROFESSIONAL EXPERIENCE

**Software Development Intern, Amazon, Palo Alto, CA**

**June 2021 - September 2021**

- Designed machine learning model in Python for generating universal code representations
- Wrote training pipeline to perform software decomposition using AWS Sagemaker and S3
- Improved upon existing manual analysis tools to provide automated and more detailed suggestions
- Built cloud native service to perform model training and inference on user applications
- Created visualization tool to view model progress during training and results using NetworkX

**Software Development Intern, Amazon, Palo Alto, CA**

**June 2020 - September 2020**

- Designed testing framework for simulating customer sessions to improve search relevancy
- Implemented functions to analyze machine learning model performance in Python
- Leveraged AWS Athena, Lambda, and S3 to query log files for test cases in SQL
- Created visualization tool to compare different model input types using Tensorflow Projector

**Software Engineering Intern, Brooks Automation, Fremont, CA**

**June 2019 - September 2019**

- Developed user interface in C# using Windows Presentation Foundation and MVVM architecture
- Wrote Swagger API methods for Apache web server hosted on Raspberry Pis in Python
- Handled HTTP requests to store and retrieve information from databases in SQL
- Integrated log collector to aggregate data from all microcontrollers in network

**Engineering Intern, Beast Inc, San Francisco, CA**

**July 2018 - September 2018**

- Trained virtual pets to navigate obstacle courses faster using machine learning

### PROJECTS

**Up2Date**

**February 2019**

- Built Chrome extension to send user queries in HTML/CSS and JavaScript
- Set up Django back-end server to store queries on Firebase database in Python
- Utilized Bing News Search API to alert user to relevant news based on query

**Sincerely, AI**

**January 2019**

- Used machine learning to identify insincere text
- Implemented Django back-end to interface with machine learning model using Python
- Created Chrome extension and Twilio app front-end using HTML/CSS and JavaScript

**Gravity Fall**

**November 2018**

- Built a platforming game in Unity with scripts in C#

### AWARDS

**Hack on the Hill V Best Game** - Hackathon

**Rookie All-Star & Highest Rookie Seed** - Robotics

**National Merit Scholarship Recipient** - Academic