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Gavin Mak

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Education

Berkeley, CA	University of California, Berkeley	Aug 2016 – May 2020

- Intended Computer Science & Statistics, B.A.
- Overall GPA: 3.84, Major GPA: 4.0

Employment

Chief Technology Officer	BridgeUSA	Oct 2016 – Present

- Designed, coded, and managed organization's website
- Assisted and optimized day to day technological operations within meetings and public discussions
- Currently developing a content management system that allows staff writers to publish, edit, and display articles on the website

CS61A Course Tutor	UC Berkeley EECS	Aug 2017 – Present

- Worked alongside students and assisted with the study and preparation of course material
- Led individual and group tutoring sessions on Python, Scheme, and SQLite3

Software Engineer Intern	Stowk	May – July 2017

- Developed the front end of the company's mobile app using React Native
- Debugged several issues regarding Android user interface and SMS authentication

Selected Projects

Cut It Out	Feb 2017

- Uses Google Cloud Platform's machine learning and natural language processing API to summarize text including articles and essays
- Analyzes paragraphs to find relevance to the main message and includes phrases most pertinent to the body of the text   *(Python, HTML5/CSS)*

Thought Bot	Dec 2016

- A Twitter bot that uses a recurrent neural network to generate phrases based on Reddit submissions
- Key expressions are automatically selected and tweeted   *(Python, JavaScript)*

Ball and Cup	Oct 2016

- A realistic simulation of the ball and cup game on Android
- Uses a custom-built game engine which implements string tension, collision detection, parabolic rope physics, and air friction   *(Java, XML)*

Languages and Technologies

- Java, Python, JavaScript, jQuery, Git, React Native, MongoDB, HTML5/CSS, SQLite3, XML, C++
- Visual Studio, Eclipse, Atom, Android Studio, Adobe Photoshop
- Linux, Windows , macOS