

## **BRIAN Y. KIM**

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Objective: To obtain a full-time position that allows me to enjoy, create, and contribute to innovative technologies while helping as many people as I can.

### **Education**

B.S. Computer Engineering/Computer Science GPA 3.97  
University of Southern California – Presidential and Gregory Scholar Dec 2015

Troy High School, Fullerton, CA, IB Diploma GPA 4.7, SAT: 2380

### **Work Experience**

#### **Software Engineering Intern and KPCB Fellow**

Coursera Growth Team / Kleiner Perkins Caufield and Byers June 2015 - August 2015

- Revamped Search UX ([www.coursera.org/courses](http://www.coursera.org/courses)) that led to near 10% increase in learner enrollments
- Implemented mobile deep linking in popular pages and integrated Google Tag Manager into marketing campaigns
- Learned firsthand from KPCB partners like John Doerr and portfolio company Chief Officers

#### **Course Producer / Undergraduate Teaching Assistant**

USC Computer Science Department – CS 103/104 (Intro / Data Structures) August 2014 – Present

- Aid running of Data Structures Labs
- Mentor and grade USC's Intro to Computer Science students during lab and office hours

#### **Google Engineering Intern**

Contextual Voice Search Team May 2014 – August 2014

- Worked with Natural Language Processing framework to write custom grammars to trigger specific non-search actions based on user queries
- Designed and implemented a new search result return system for contextual queries with 40% of previous latency (2.5x speed increase).

#### **Researcher**

University of Southern California – Interaction Lab September 2013 -Present

- Conducted experiments and designed algorithms to improve behavioral decision making for social robotics
- Extracts data and forms patterns from eye-gaze sensors, voice pitch sensor, and Kinect sensors

#### **Software Engineer Intern**

OneScreen – Tech Startup based in Irvine, CA Summer 2013

- Designed the architecture for/built the company's developers and API documentation site using Jekyll
- Programmed customized plugins to instantly turn code comments into web documentation
- Experimented with graph databases to apply machine learning algorithms on company data

#### **Research Assistant**

Caltech Nanofabrication/Physics Group, California Institute of Technology Summer 2011

- Fabricated and designed semiconductor devices and integrated circuits from scratch using photolithography while experimenting in etching optimal gold contact patterns

- Collaborated with professors and graduate students to create a novel, affordable device to perform Polymerase Chain Reaction for faster, more accurate diagnoses for use in lesser developed regions
- Helped program the smartphone app to control the device

### Achievements

CalHacks Top 10 Hack, Most Fun Hack, and Major League Hacking Best Myo Hack Winner for dual Myo armband augmented, real life Street Fighter  
 Google LA Video Hackathon 2013: Best Overall App/Wow Factor Winner, Team Captain and Founder (TVUS)  
 Presidential Award for Community Service  
 PennApps Jawbone Jambox Challenge Winner

### Skills

Technology Skills: C++, Javascript (NodeJS, React), Java, Amazon AWS (S3/EC2), Product Design/Management, Ruby (Rails/Jekyll), HTML/CSS (Jade/Stylus), Android, ROS Raspberry Pi, Arduino, Python, Neo4j, Matlab, Machine Learning  
 Mile time: 5:15  
 Relevant Coursework: A.I., Data Structures, Algorithms, Computer Organization and Embedded Systems, Graduate Linear Algebra, Technical Entrepreneurship

### Current Organizations

USC Hack Nights	Community Leader
USC Code The Change	Founding Member
ACM-Intercollegiate Programming Competition	USC Team Representative
USC Association of Computing Machinery (ACM)	Executive Board, Corporate Affairs Officer
MENSA	Member since 2008

### Leadership

#### **Code The Change** ([www.ctc-usc.org](http://www.ctc-usc.org))

Product / Engineering Manager Jan 2015 - Present

- Partner development teams with nonprofits to build technology such as web apps to help them scale their impact
- Manage infrastructure and help team execute tasks while scaling team and recruiting new members
- Interface with clients and help deliver product by semester's end. Previous work ([www.collegeknowledgela.org](http://www.collegeknowledgela.org))

#### **HackSC** Large-scale West Coast Hackathon - [www.hacksc.com](http://www.hacksc.com)

March/November 2014

#### Founder/Head Organizer

- Planned and executed overall vision for increased diversity, open collaboration, and mentorship for newer hackers
- Headed logistics management that worked with the University
- Helped secure over \$50,000 total in fundraising from sponsors

#### **FIRST Robotics**

March 2010 – June 2012

Founder/President/Captain of Troy High School FIRST Robotics Competition Team 3952  
 Captain/Programming Head of FIRST Tech Challenge Team 542 at Whitney High School  
 - Won World Championship Judge's Award and multiple regional championships.