

BRIAN Y. KIM

1234 Margarita Drive, Fullerton, CA - byk.briankim@gmail.com - (714) 944-9478

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) 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)

Engineering Manager	Jan 2015 - Present
<ul style="list-style-type: none"> - 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 - Previous semester's work available at www.collegeknowledgela.org 	

HackSC Large-scale West Coast Hackathon - 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.