JUSTIN HE

🌐 justinhe.com   ✉ justinhe16@gmail.com
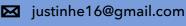
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EXPERIENCE

Fae Interactive Software Engineering Intern *Summer 2017*
· Designed, developed, tested responsive iOS UIs using Swift & Xcode
· Worked and collaborated on the Fae Map app's location-based services to provide more seamless and easy-to-use user experience

Memorial Sloan Kettering Cancer Center Research Intern
Summers 2014, 2015
· Automated visualization of data sets using R, serving 30+ lab researchers
· Conducted independent research on Acute Myleoid Leukemia, assessed the disease's depency on specific proteins

PROJECTS

Tommy Bot Co-founder and Lead Developer
September 2016 - Present | tommybot.com

· A chatbot on Facebook Messenger that answers hundreds of students questions about USC daily, with 47,000 queries answered.
· Manage and develop all core aspects of the technolgy with Javascript and Python: information aggregation, natural language processing, and more

Duelr *PennApps XIII submission | January 2016 | duelr.herokuapp.com*
· With a team, created a 3D multiplayer game that transforms players' phones into virtual swords, winning Plaid Prize Award
· Created front-end project components: 3D rendering, interactions, and connections using HTML, CSS, and Javascript

Itemify *Fall 2015 | itemify.herokuapp.com*
· With a partner, built a webapp analyzing 150,000+ League of Legends games, determining optimal gameplay for characters
· Created website display and algorithms to aggregate, sort, and analyze game data using HTML, CSS, Javascript, and Python

LEADERSHIP

Lavalab Director of Development *May 2017 - Present | usclavalab.org*
· Assist development of a comprehensive product building curriculum, with focus on developmental aspects for USC's product incubator
· Host internal and external workshops on product development skills
· Create, maintain, and update the website and additional software

HackSC Lead Developer, Branding *July 2017 - Present | hacksc.com*
· Build, design, and maintain HackSC's website, internal tools, and apps for 800+ hackers to use: live updates, mentor request system, etc.
· Work with the rest of the HackSC team to help make branding, marketing, and logistical decisions that will help HackSC run smoothly

EDUCATION

University of Southern California Class of 2020
B.S. Computer Science, Philosophy Minor, 3.62 GPA

SKILLS

Languages
HTML, CSS, Javascript, Python, Swift, C/C++, Java, R

Frameworks & Tools
React, EJS, Node.js, jQuery, MongoDB, SQL, Heroku, Digitial Ocean, AWS, Git

Software
Photoshop, Illustrator, Sketch, Final Cut Pro

AWARDS

USC Iovine and Young Innovation Prize (2017)
$10,000 for Tommy Bot

USC Dean's List Scholar
Spring 2017

PennApps XIII Plaid Prize Award (2016)
Innovative design for Duelr

LocalHackDayNY Best Overall Hack (2015)

TigerHacks 2nd Place Award (2015)

INTERESTS

Entrepreneurship
Computer Security
Data Analytics
Hip-hop Dance (Chaotic 3)
Photography, Videography
Swimming, Water Polo