

Justin He

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EDUCATION

University of Southern California, Los Angeles, CA

Expected Graduation 2020

Bachelor of Science in Computer Science

Trinity School, New York, NY

Class of 2016

SAT I: CR 730, M 800, W 700, GPA: 3.8, AP Computer Science A: 5

WORK EXPERIENCE

Freelance

2016 - Present

Software Developer & Graphic Designer

- Work with various clients to design and develop individualized webpages for their intended goal
- Previous clients include various school & community organizations and a fireworks company

Memorial-Sloan Kettering Cancer Center, New York, NY

Summers of 2014, 2015

Research Intern

- Worked on the optimization of lab technology and streamlining technological lab processes
- Conducted independent research on Acute Myeloid Leukemia (AML)

SELECTED PROJECTS

Duelr (duelr.herokuapp.com)

Winter 2016

- Built at PennApps, UPenn's collegiate hackathon; Won Plaid's sponsor prize
- Transforms your mobile smartphone into a remote controller/sensor to mimic a 3D sword using your laptop screen
- Front-end built with HTML, CSS, JavaScript (Three.js) ; Back-end built with Node.js and Socket.io

TrinDebate (trindebate.herokuapp.com)

Summer 2015

- A community website for my high school Debate Team, which serves 50+ debaters; featuring tools for debate-specific tasks
- Front-end built with HTML, CSS, JavaScript; Back-end built with Node.js, Angular.js and MongoDB

Itemify (itemify.herokuapp.com)

Summer 2015

- A web application submitted to the Riot Games API Challenge that analyzes 150,000 League of Legends matches to find the most optimal build path for each character in the game
- Front-end built with HTML, CSS, Javascript; Back-end built with Node.js, Express.js, and Python

LEADERSHIP & INVOLVEMENT

LavaLab

Fall 2016

Fall 2016 Cohort Member

- USC's selective product incubator and startup community; we form teams to ideate, prototype, and engineer a product to present at the end of the fall semester

Trinity School Debate Team

2014 - 2016

Co-President and Webmaster

- Prepare the team for debate tournaments through research and practice (10+ hours per week)
- Managed the Trinity School Debate Team website, TrinDebate

Trinity School Computer Security Team

2014 - 2016

Co-President

- Lead weekly meetings for new and existing members in computer security topics
- Find and participate in computer security competitions, called CTFs

SKILLS & INTERESTS

TECHNICAL SKILLS

- Proficient: HTML, CSS, JavaScript (jQuery), Node.js, Java, Processing/Arduino, MongoDB, LaTeX, Git, Photoshop
- Familiar: C++, Python, SQL

ACTIVITIES & INTERESTS

- Programming, Computer Security, Hackathons, KASA Dance Off Team (Member), Hip-hop Dancing, Swimming, Water Polo, Chinese American Student Association (Member)