Jeffrey Chan

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EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES **September 2015 – June 2019**
Bachelor of Science: Electrical Engineering
GPA: 3.84

SKILLS AND ABILITIES

Programming Languages: C/C++, Python, HTML, CSS, JavaScript, Verilog, FORTRAN 77
Relevant Coursework: Multivariable Calculus, Linear Algebra, Differential Equations, Introduction to Computer Science, Introduction to Computer Organization, Logic Design of Digital Systems
Technical Skills: Bootstrap, Foundation, jQuery, React.js, D3.js, Microsoft Office, Windows, Arduino, Git
Interpersonal Skills: Strong communicator, Thrives in team environments, Always willing to help others

WORK AND INTERNSHIP EXPERIENCE

NASA JET PROPULSION LABORATORY **June 2016 – August 2016**
Summer Intern
- Update a database of hosted payload opportunities behind JPL's firewall and deliver it to the web-hosting area
- Use Python and Django to port the webpage from PHP and JavaScript to Python

UCLA IEEE **May 2016 – Present**
Webmaster
- Maintain and update UCLA IEEE's web and mobile interfaces such as the main website and mobile application
- Develop the landing page and website for IDEA Hacks, UCLA IEEE's annual hardware-based hackathon

DAILY BRUIN **January 2016 – Present**
Frontend Developer
- Collaborated on a development team to design interactive websites for prime – Daily Bruin's magazine website, and The Stack – Daily Bruin's data and technology blog

CMIT PHYSICS RESEARCH PROJECT **June 2014 – September 2014**
Research Intern
- Designed and built a program that would compute and list all possible permutations of the spins of subatomic particles within a subatomic system
- Found an algorithm that would diagonalize any regular square matrix to be used in solving Schrodinger's equation

PROJECTS

TWITTER CRAWLER **May 2016**
- Developed a web application using React.js that takes in a valid Twitter username and outputs their last 25 Tweets
- Demo link: http://bit.ly/1Tji4OT

NATBUS **May 2016**
- Built a self-driving car that uses the reflection of infrared light to drive along a path of white tape
- Wrote the Arduino software that integrates PID to control the car's behavior and keep the car on its path

GEO-LOCKERINO – THALES PROJECT ARDUINO **December 2015**
- Collaborated on a team of four to create a security-based device designed to prevent theft and stolen valuables with geo-fencing and remote access
- Video: http://bit.ly/1NUcnaR