

James Choi

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EDUCATION

University of California, Santa Barbara (UCSB)

Bachelor of Science in *Electrical Engineering*

September 2014 - March 2018

Technology Management Certificate

March 2017

HONORS

University of California, Santa Barbara

Harold Frank Scholar

December 2015 - Present

Engineering Honors Program

March 2015 - Present

Dean's List

March, June 2015

SKILLS

- Experience with *VHDL, C++, Java, MATLAB, JavaScript, HTML, and Ruby on Rails*
- Fluent in English and Korean

EXPERIENCE

Undergraduate Researcher, UCSB Experimental Cosmology Group

March – Present 2016

- Currently building and designing circuits with FPGA's and microchips for lasers and satellites
- Planning on doing more research with photonics and integrated circuits
- *Starshot Project* led by Professor Lubin is supported by Stephen Hawking, Mark Zuckerberg, and NASA

Software QA, Trelp Santa Barbara, CA

September 2015 – December 2015

- Helped with the website for the new mobile application, Trelp, which provides truck drivers with rest spots and most efficient directions to their arrival
- Demonstrated leadership by successfully carrying out the business plan and proposal with other colleagues

AlziCam Santa Barbara, CA

November 2015 – January 2015

- Led a team to finish a feasible business proposal, AlziCam, which helps Alzheimer's patients
 - Wearable camera that records and shares with patients and caretakers

Engineering Writing Award UCSB

May 2015

- Recognition of excellence in research and writing
- Led a team of four to successfully conduct a number of usability tests, research, and redesign of the Cuisinart Citrus Juicer CCJ-100

EXTRACURRICULARS

Alpha Kappa Psi Professional Business Fraternity

September 2015 – Present

- Responsible for revamping and adding functions to the website using *Ruby on Rails*

Vice President, Techonits Sunnyvale, CA

September 2011 – January 2014

- Co-founded CA non-profit organization that brings benefits of technology to senior citizens
- The organization is officially registered with the *President's Volunteer Service Award* for completion of 500+ hours of service

Team Captain, AAU Basketball San Jose, CA

2008 – Present

- Led a team of 12 young men to the Final Four in the division
- Improved leadership and teamwork skills throughout 10 years of playing

RELEVANT COURSEWORK

ECE 2A, 2B 2C: Circuits, Devices, Systems, ECE 152A: Digital Design, ECE 15A: Fundamentals of Logic Design, Systems, TMP 122: Technology Management: Entrepreneurship, CS 16, 24 (C++): Advanced Problem Solving, ENGR 3 (MATLAB): Programming for Engineers, ENGR 10: Exposure to Engineering Disciplines, Physics 1-5: Mechanics, E&M, Quantum, Special Relativity