

JOOMYUNG (MATT) SONG

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<https://joomyung.github.io/>

SKILLS

Certifications	CCRP
Programming Languages	MATLAB, Python, JavaScript, MySQL, ROS
Computer skills	Git/Github, Linux Ubuntu, AWS, GCP

EDUCATION

University of Southern California , Los Angeles, CA	MS in Biomedical Engineering	May 2017
Yonsei University , Seoul, South Korea	BS in Mechanical Engineering	Aug 2011

PROFESSIONAL EXPERIENCE

Anti-Fragility Health , Anaheim, CA	Jan 2018 ~ Present
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Software Engineer

- Develop an Alexa skill to provide customers with diet recommendations [Node.js]
- Install and manage medical equipment and device

Advanced Research Center , Anaheim, CA	Jul 2015 ~ Present
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Clinical Data Specialist

- Lead a software engineering team to design 30+ electronic case report forms
- Designed electronic case report forms of 30+ clinical studies [jQuery]
- Developed electronic data capture and electronic medical record systems using open source web applications

Brain-Body Dynamics Lab, USC , Los Angeles, CA	May 2017 ~ Jun 2017
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Research Assistant

- Assisted in creating virtual reality modules to simulate control of prosthetic robot fingers
- Statistically analyzed neural data (EEG and EMG) and finger force exerted on an object [MATLAB]

Computational Neuro-Rehabilitation Lab, USC , Los Angeles, CA	Sep 2015 ~ May 2017
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Research Assistant

- Utilized the Linear Mixed Effects Model to analyze and visualize kinematic data [MATLAB]
- Simulated computational modeling of error-based motor learning for hypothesis verification [MATLAB]
- Created a poster presentation at the Society for Neuroscience 2016 in San Diego

MANAGEMENT EXPERIENCE

Beauty Plus , Santa Ana, CA	Sep 2012 ~ Jul 2015
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Manager

- Managed Beauty Plus (women's clothing store), with sales of approximately \$60,000 per month
- Assisted customers in all aspects of store services including handling complaints and inquiries
- Trained and supervised six retail assistants, resulting in revenue growth by 15% annually

Republic of Korea Army , Yanggu-gun, Gangwon-do, South Korea	Feb 2005 ~ Jan 2007
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Sergeant (Squad Leader of Observers), 183rd artillery battalion

- Led a squad of 9 observers in the Demilitarized Zone (DMZ) to report activity of North Korean army