

# JOOMYUNG (MATT) SONG

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

## SKILLS

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<b>Certifications</b>	Certified Clinical Research Professional (CCRP)
<b>Programming Languages</b>	MATLAB, Python, JavaScript
<b>Computer skills</b>	Git/Github, Linux, Google Cloud Platform
<b>Languages</b>	English, Korean

## EDUCATION

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

## PROFESSIONAL EXPERIENCE

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<b>Anti-Fragility Health</b> , Anaheim, CA	Jan 2018 ~ Present
<i>IT Administrator</i>	

- Ensure IT hardware, software, and networking equipment are managed and maintained
- Responsible for establishing and maintaining network user's accounts, user environment, directories, and security
- Train employees on software and equipment usage

<b>Advanced Research Center</b> , Anaheim, CA	Jul 2015 ~ Present
<i>Clinical Data Specialist</i>	

- Lead a software engineering team to design 30+ electronic case report forms
- Designed electronic case report forms of 30+ clinical studies using jQuery
- Developed electronic data capture and electronic medical record systems by deploying open source web applications in the Linux system using Google Compute Engine

<b>Brain-Body Dynamics Lab</b> , USC, Los Angeles, CA	May 2017 ~ Jun 2017
<i>Research Assistant</i>	

- 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]

<b>Computational Neuro-Rehabilitation Lab</b> , USC, Los Angeles, CA	Sep 2015 ~ May 2017
<i>Research Assistant</i>	

- 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

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<b>Beauty Plus</b> , Santa Ana, CA	Sep 2012 ~ Jul 2015
<i>Manager</i>	

- 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

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

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