JOOMYUNG (MATT) SONG

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https://joomyung.github.io/

SKILLS

Certifications	Certified Clinical Research Professional (CCRP)
Programming Languages	MATLAB, Python, JavaScript
Computer skills	ROS, Git/Github, Linux Ubuntu, AWS, GCP
Languages	English, Korean

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

Advanced Research Center, Anaheim, CA   Jul 2015 ~ Present
Clinical Data Specialist
- 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 using Google Compute Engine

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