Joo Min **Yeo**

Power Systems · Electrical Engineer

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Education

University of California, San Diego
San Diego, CA, USA

B.S. in Electrical Engineering (GPA: 3.2) *2016 - 2020*

- Focusing on Power Systems Engineering: Transmission, Distribution, Grid Operation, Micro Grid, Transformers, Smart Grid, Renewable Energy Sources

Lunds Tekniska Högskola
Lund, Skåne, Sweden

Study Abroad Exchange *Fall 2019*

- Electrical Power Systems, Electric and Hybrid Vehicles Technology, Cryptography

Experience

Eskom
Johannesburg, South Africa

Power Systems Engineering Intern *Mar - Aug 2019*

- Fault Investigations
- Siemens AFAS (Automated Fault and Disturbance Analysis Service) Maintenance and Hardware upgrades
- Calculated feeder settings and transformer grading
- Assisted in operation planning, SCADA, and load forecasting
- Researched the optimisation of generation, transmission, and distribution of power
- Inter-department rotations at National Control Centre, Operations Planning, NCSS/SCADA, and Field

NASA Jet Propulsion Laboratory
Pasadena, CA, USA

Software and Computing Systems Engineering Intern *Summers of 2016, 2017*

- Developed Engineering Analysis Subsystem that will provide a new suite of tools for rapid assessment of spacecraft health and state
- Developed simulation software with Small Scale Flight Software Group for the autonomous Mars rover for the Mars 2020 Project
- Create modules for data transfer and management

UCLA Robotics and Mechanisms Laboratory (RoMeLa)
Los Angeles, CA, USA

Research Intern *Oct 2014 - Apr 2016*

- Researched “Modification of a Hexapod to Enable Blind Locomotion across Uneven Terrain”
- Assisted in a classified research with the ONR (Office of Naval Research)

Projects

Training at Eskom
Germiston, Gauteng, South Africa

Doer and Checker *Mar - Aug 2019*

- Snapshot Converter: Developed an optimised and more efficient way of converting a snapshot of a grid to a simulation casefile
- Protection settings for several feeders and transformers
- Created animations to explain various concepts of transmission protection and maintenance such as mutual coupling, trip zones, and substation automation principles

DARPA Robotics Challenge Finals (RoMeLa THOR-OP)
Pasadena, CA, USA

Research Intern *Jun 2015*

- Assembled and repaired the robot on-site at the U.S. Department of Defence hosted robotic competition

Skills

Programming	C/C++, Python, Java
Software/Hardware	PowerFactory, PSSE, MATLAB, SOLIDWORKS, Mathcad, CNC

Language

English and Korean	Native
Spanish and Swedish	Basic