­­Joo Min **Yeo**

2997 Brea Blvd. Fullerton, CA 92835 • **WEB** http://[joominyeo.me](mailto:joominyeo@outlook.com) **Standard First Aid & CPR/AED Certified**

•**CELL** +1 (657) 217-3177 • **E-MAIL** [joominyeo@outlook.com](mailto:joominyeo@outlook.com)  **took EMT course**

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| Education **University of California, San Diego** 2016-2020(expected)  Electrical Engineering (GPA: 3.8) |
| Experience **UCSD ASME MARS ROVR:** *President* Oct. 2016-Present  Lead a team of mechanical, electrical and software engineers to build a next generation  Will be competing in University Rover Challenge in Utah.  **NASA Jet Propulsion Laboratory:** *Software & Data Analysis Engineer* Jun. 2017-Sept. 2017  Develop Engineering Analysis Subsystem (EAS) that will provide a new suite of tools for rapid assessment of spacecraft health and state.  **NASA JPL:** *Software & Computing Systems Engineer* Jun. 2016-Aug. 2016  Develop simulation software with Small Scale Flight Software Group for the autonomous Mars rover. Mars 2020 Project. Create modules for data transfer and management.  **UCLA RoMeLa (Robotics Mechanisms Laboratory) – Dr. Dennis Hong** 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).  **DARPA Robotics Challenge Finals (RoMeLa THOR-OP)** June 2015  U.S. Department of Defense hosted robotic competition. Assembled and repaired the robot on-site. |
| Skills **Programming Languages –** C/C++, Python, and Java  **Software/Hardware –** MATLAB, SOLIDWORKS, and CNC. |
| Languages **Korean** and **English** - Native **Spanish** - Proficient |
| Awards **US Congressional Gold Medal Award** Aug. 2015  **President’s Volunteer Service Award – Bronze** Sep. 2014  **Boy Scouts of America – Troop 93 Fullerton, CA**  Eagle Scout Jan. 2014  Scout of the Year Award Jan. 2014  Senior Patrol Leader Jan. 2014  **Certificate of Merit**  Cello Level 10 (Advanced) Mar. 2014 |
| Volunteer **CTS Ensemble:** *Principal Cello* Jan. 2013-May 2016  Organized meetings and lead practices as a principle cello. Coordinated performances throughout the year.  **Cooperation Act (Co.Act):** *Founder*  Apr. 2014-Oct. 2015  Created and implemented the infrastructure for the organization to support children and teenagers impacted by natural disasters and developing areas around the world.  **Voluntario Mexico (VM):** *Volunteer Leader* Jun. 2014-Present  Travel to communities in and around Tijuana, Mexico to distribute necessities, such as hygienic materials, and educate children to maintain clean, healthy lifestyles.  **Tree of Jubilee Academy (TOJA):** *Tutor* Aug. 2013-Aug. 2015  Provided academic support through tutoring services for homeless students in Magnolia District. Dedicated my eagle project to remodeling the room and supplying books and shelves. |
| Travel & **Guatemala (Chisec, Alta Verapaz, Guatemala) - 7 days** Jul. 2014  International Taught English at Colegio Cristiano Galilea and provided first aid for the indigenous  Projects peoples. Engineered wells to provide villagers with clean water.  **Mexico (Camalú, Ensenada, Baja California, México) - 4 days** Jul. 2015 Worked with the medical team, operating a free clinic for the residents. Served as a  translator to the team and an assistant to the optometrists. |