

Kyla Celine Quilos

3641 Baylor St. Irvine, CA 92614 | quilos.kyla@gmail.com | 213-531-7567 | www.linkedin.com/in/kyla-quilos/

EDUCATION

University of California, Irvine

GRADUATION: JUN 2020

- **Bachelor of Science in Electrical Engineering**

- Specializations: Electronic Circuit Design and Semiconductors/Optoelectronics

ENGINEERING PROJECTS

UCI FSAE Electric RaceCar - *ELECTRICAL TEAM MEMBER*

APR 2018 - SEP 2018

- Modified existing circuit designs with EAGLE CAD for the project's Printed Circuit Board(PCB) manufacturing needs.
- Helped with organizing the wiring harnesses for the car.
- Soldered, assembled, and tested PCBs.

Remote Soil Monitoring Robot - *TEAM MEMBER*

SEP 2019 - JUN 2020

- Utilized SolidWorks to build a basic CAD model of our own remote control robot.
- Implemented a dump truck mechanism using an actuator for the purpose of inserting a sensor into the ground to gather moisture and humidity data of the soil.
- Practiced Arduino wiring and collaborated with team members on the software to program the robot to traverse on land.

SOLIDWORKS Project - *DESIGNER*

- Modeled a 1-piece wheel based off of BMW's M5 wheel design and incorporated it in a personally designed jeep.

WORK EXPERIENCE

Shimmick Construction Company Inc. (an AECOM Co.) - *FIELD ENGINEER*

JUL 2020 - PRESENT

- Review and create submittals containing specification check-offs, contract drawings, and datasheets to present to the resident engineer prior to installation of electrical equipment.
- Managed procurement for the electrical materials necessary for the project.
- Design the wire routing and conduit systems in existing buildings by working with the contract plans and specifications.
- Handle RFIs (Request For Information) and change orders between contractor, subcontractor, vendor, and owner.
- In charge of the electrical department's labor distribution reports that are discussed weekly.
- Maintain good relationships with electrical vendors and subcontractors to get high quality work done on time.

Edyza - *ELECTRICAL ENGINEERING ASSOCIATE & JUNIOR PROJECT MANAGER*

OCT 2018 - MAR 2020

- Prepared technical documentations for and recorded the process of testing each sensor to keep on file.
- Arranged powerpoint presentations of assembly specifications for our sensors containing detailed steps including photos.
- Lead the quality control/assurance department for each sensor that is deployed to our partners.
- Assisted with the creation of an automated Bill of Materials to increase system efficiency.
- Developed libraries in EAGLE that are specific to the company's circuit designs.
- Collaborated with the marketing team to promote the company on social media platforms such as LinkedIn and Instagram by uploading videos and photos.
- Worked on a google website to display all our products and information for our partner's convenience.

EXTRACURRICULAR ACTIVITIES

Theta Tau Co-ed Professional Engineering Organization - *DIRECTOR OF MEDIA & MEMBER*

JAN 2018 - JUN 2020

- Volunteered at various events such as speaking at a high school to spread knowledge and experience about engineering.
- Created videos and edited photos for recruitment and website content by using Adobe Photoshop/Lightroom/Premiere.
- Provided assistance in designing circuits on breadboards for Samueli Academy students.

Architecture, Engineering, Construction (ACE) Club - *VICE PRESIDENT*

AUG 2013 - JUN 2016

- ACE Program assigns the club a project where students work with a team of approximately 20 along with professional architects, construction workers, and engineers to create a specific building/structure.
- Presented this said building project in front of a crowd including ACE clubs from other schools and some of the highly respected professionals in the three fields.

SKILLS & LANGUAGES

- Proficient in: Bluebeam Revu, SOLIDWORKS, Soldering, Adobe Premiere Pro, Lightroom, and Photoshop, Microsoft Office
- Exposed to: Cadence, EAGLE CAD, MATLAB, Arduino, PSpice, Python, WireShark
- Bisaya and Tagalog