

# JEREMEY LEE

---

✉ leejeremey@gmail.com ☎ 6199552269 📍 San Diego, CA 🌐 jeremeylee

## EMPLOYMENT

---

### **Jr. Embedded Engineer**, *L1 Technologies*, San Diego, CA

Aug. 2018 - Mar. 2019

- Validated PCBs for tablets and control cables
- Regression tested new Android app and embedded firmware releases
- Troubleshooted and refurbished motherboards of RMA devices
- Traveled domestically in order to execute field test plans and provide onsite support for customers

### **Plasma Qualification Engineer**, *ASML*, San Diego, CA

June 2017 - Aug. 2018

- Traveled domestically and internationally to provide field engineering support at customer sites
- Supported the system bring up and optimization for mass production of 7nm chips at Samsung
- Optimized the power output of EUV photo-lithography machines to meet the die yield demands of customers
- Led a team of cross-functional engineers to execute scheduled upgrade plans and troubleshoot machine blocking issues

## PROJECTS

---

### Flow

Developing a web application that allows users to create a workflow pipeline for tasks and progress assigned tasks through the pipeline

- Front end built with React.js and Material UI as the UI framework
- Back end developed in Node.js to perform CRUD operations and to expose a RESTful API to the front end
- NoSQL database built with MongoDB to store user tasks and workflow processes

### Real-Time Messaging App

Developed a full stack web application that allows users to sign up and log in to a chatroom in which they can communicate with each other in real-time

- Developed a single page application using React.js for the front end
- Designed a Node.js back end to handle user login/signup requests and serve data from MongoDB to the client
- Utilized Socket.IO to establish real-time, bi-directional communication between the client and the server

### Micro-Weather Network System

Worked with SDG&E advisers to design an ultra low-power, campus-wide weather network that collected granular weather and environmental data

- Programmed a PIC24 in C to integrate and interface with a variety of weather sensors through communication protocols such as UART, I2C, and SPI
- Developed the firmware driver and designed the circuitry for a custom-made anemometer
- Designed PCB layouts that met packaging constraints of small scale systems

## EDUCATION

---

### **San Diego State University**

May 2017

Bachelor of Science, Electrical Engineering

GPA: 3.52

## SKILLS

---

**LANGUAGES:** JavaScript, HTML, CSS, Java, Python, C

**FRAMEWORKS/OTHER:** React, Redux, Node.js, Express.js, MongoDB, SQL, GraphQL, Git, Socket.IO