**Clare Lee** *(US Citizen)*

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***OBJECTIVE***

**EIT certified mechanical engineer with web development training, highly motivated individual with experiences in mechanical design, system control, and web development, Constantly looking for the next challenge**

***EDUCATION***

**CodingDojo**, San Jose, CA Expected to graduate Jan 2017

16-week immersive coding bootcamp with three full stack development: Python, MEAN, iOS

**Purdue University**, West Lafayette, IN May 2016

Bachelor’s of Science in Mechanical Engineering

***PROFESSIONAL EXPERIENCE***

**I Lend You** Dec 2016

Secure message board for local communities to share information and communicate with members in neighborhood

* Cooperate with two teammates to build extensive user validation with Node to ensure identity
* Secure community content for approved members with access rights using Express/mongoose
* Implement Angular and Google Angular Materials to provide eloquent and user friendly interface

**WatchOut** Oct 2016 Criminal activity monitor that displays the details of said activity and alerts users of potential danger

* Display recent crime near input location and distance with Python stack with Django framework
* Integrate SpotCrime API for credible crime report and google maps API for visual representation

**Sheepdog Robotic Project** Sep~ Dec 2015 Program sheepdog robot to recognize and analyze specified shape/color of a tennis ball and respond to movement of described object by through following with a distance

* Implement color and shape recognition module on LabView to identify object through webcam
* Analyze size of object and position robot to face and maintain preset distance

**EPICS- Chemical Sensor Initiative Project**  Sep~ Dec 2013

Cooperate with local police force to build quad copter with real time video streaming

* Assemble and motor system and solder the sensor modules onto motherboard
* Experiment with transmitter through various medium to improve signal quality

***Technical Toolbox***

***Programming Language-*** Python, JavaScript, MATLAB, C++, Labview

***FrontEnd-*** HTML/CSS, JQuery, Ajax, HTTP request/response

***WebDevelopment- Django, Flask, Express, Angular,*** socket.io***, Node.js***

***DataBase- MySQL, SQLite, MongoDB***

***Professional Skill***

* Proficient in SolidWork, Inventor, autoCAD, CATIA, Microsoft office suites
* Bilingual in Mandarin and English