

# Likai Wei

GitHub: [github.com/lwei0402](https://github.com/lwei0402)

LinkedIn: [www.linkedin.com/in/wei-likai/](https://www.linkedin.com/in/wei-likai/)

Email : [lwei0402@gmail.com](mailto:lwei0402@gmail.com)

Mobile : +1 424-320-1667

## EDUCATION

---

- **University of California, Los Angeles** Los Angeles, CA  
• *Bachelor of Science in Electrical Engineering; GPA: 3.6* *Sept. 2014 – Mar. 2018(Expected)*

## RESERACH

---

- **The Laboratory for Embedded Machines and Ubiquitous Robotics at UCLA**  
• *Undergraduate Researcher* *Mar. 2017 - Present*
  - Researched on designing and building single-motor flying robot system under supervision of Dr. Ankur Mehta
- **HHMI - UCLA Ozcan Research Group**  
• *Undergraduate Researcher* *Oct. 2016 - Jun. 2017*
  - Researched on portable microscope project for waterborne algae with Zoltan S. Gorocs, Ph.D.
  - Collaborated on designing PCB for LED driver and testing the system

## PROJECTS

---

- **UCLA EE183DA/DB Project**  
• *Video: <https://youtu.be/wt5oHvoHgVM>* *Jan. 2017 - Jun. 2017*
  - Built a miniature underwater quadcopter based on a self-designed PCB with MCU, WiFi communication and motor control
  - Designed and toned the algorithm for controlling the states(row, pitch, yaw, etc.) of the quadcopter
- **Sports Clinic**  
• *Github: <https://github.com/lwei0402/SportsClinic>* *UCLA IDEAHACKS 2017*
  - A smart arm band that tracks the motion of free throw shooting and generates real time curves of player's form using a learning algorithm
  - Implemented circuits for detecting motions using IMU and communication between MCU and web server
  - Ended up with Top 9 in IDEA Hacks 2017
- **UCLA IEEE NATCAR**  
• *<https://youtu.be/3QjkWwK9zoA>* *Sept. 2015 - May. 2016*
  - A line-tracking car implemented using linescan camera, Arduino, MCU, self-designed PCB and 3D printed mounts
  - Completed competition track in UC Davis NATCAR Races 2016

## EXPERIENCES

---

- **UCLA HENRY SAMUELI SCHOOL OF ENGINEERING AND APPLIED SCIENCE**  
• *Tech Camp Mentor* *Jan. 2016 - Aug. 2016*
  - Designed projects and authored curriculum modules for high school students for Dean's Outreach Program
  - Developed and delivered college-level workshops in soldering, circuits and programming for audio amplifier project
  - Managed lab space and mentored 16 students over 2 four-week sessions
- **UCLA Eta Kappa Nu(HKN) Honor Society - Iota Gamma Chapter**  
• *Faculty & Alumni Officer* *Dec. 2016 - Present*
  - Hosted and facilitated social and professional events that interact faculties, alumni and students of UCLA Electrical Engineering community
  - Served as tutor in weekly tutor sessions to help students with their course related questions

## SKILLS & COURSEWORK

---

- **Languages:** English(proficient), Chinese(native)
- **Programming:** C++, C, Python, Matlab, Arduino, Linux Commands  
**Other:** SMD Soldering, Lab Equipment, PCB Design, Cadence, Autodesk Fusion 360, ROS
- **Coursework:** Analog/Digital Electronic Circuits, Semiconductor Device, Principles of Feedback Control, Design of Robotic Systems, Computer Systems Architecture, Intro to Algorithms, Intro to Machine Learning

## AWARDS & HONORS

---

- Dean's Honors List: Fall 2015, Spring 2016, Fall 2016
- Best Demo Presentation Award & Best Poster Presentation Award at the HHMI Undergraduate Research and Innovation Program at UCLA

## OBJECTIVES & INTERESTS

---

- Planning to pursue Master Degree in Robotics related fields after undergraduate