

## Edmond Lee

(415) 553-0166

techhexium@gmail.com

Website and Portfolio | Github | LinkedIn

---

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| EXPERIENCE       | <i>Software Developer Contractor</i><br><i>JourneyTEAM, Salinas, CA</i>                                                                                                                                                                                                                                                                                                                                                                                         | November 2016 - May 2018 |
|                  | <ul style="list-style-type: none"><li>• Designed software and hardware components for a QR scanning system with a Raspberry Pi connecting to mobile apps through Bluetooth LE for food traceability</li><li>• Implemented the QR scanning with 75% improved speed and at 50% the cost of a competitor product with OpenCV and Python multiprocessing</li><li>• Developed Raspberry Pi embedded systems and circuits for agricultural IoT applications</li></ul> |                          |
|                  | <i>Volunteer Programming Mentor</i>                                                                                                                                                                                                                                                                                                                                                                                                                             | October 2017 - Present   |
|                  | <ul style="list-style-type: none"><li>• Mentored the programmers in CardinalBotics, a local FIRST Robotics Competition team</li><li>• Researched machine learning, specifically object detection with Caffe and its applications in FRC for autonomous robot programming</li></ul>                                                                                                                                                                              |                          |
|                  | <i>Software Developer Intern</i><br><i>NASA Goddard Space Flight Center, Greenbelt, MD</i>                                                                                                                                                                                                                                                                                                                                                                      | June 2015 - August 2015  |
|                  | <ul style="list-style-type: none"><li>• Made improvements to NASA Worldview, a Javascript data visualization program</li><li>• Implemented creating and sharing of animations, to help scientists and users better understand satellite imagery from Worldview</li></ul>                                                                                                                                                                                        |                          |
| PROJECTS         | <i>Terraview Android Application</i>                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |
|                  | <ul style="list-style-type: none"><li>• Implemented an Android app similar to Worldview, source available in Github, published onto Play Store</li><li>• Showcases the use of 3rd party libraries and the MVP and MVVM architecture</li><li>• Contains unit and instrumentation tests for code coverage</li></ul>                                                                                                                                               |                          |
|                  | <i>VisorNav Team, Senior Design Project</i><br><i>University of California, Santa Cruz</i>                                                                                                                                                                                                                                                                                                                                                                      | January 2016 - June 2016 |
|                  | <ul style="list-style-type: none"><li>• Lead development on Android and iOS applications to integrate a GPS navigation system with a custom Bluetooth LE device</li><li>• Integrated the device's embedded software with both mobile applications and a battery monitor circuit</li><li>• Demonstrated a low power LED based guidance system to potentially allow bicyclists to navigate and travel safely</li></ul>                                            |                          |
| EDUCATION        | <i>Bachelor of Science, Computer Engineering, 2016</i><br>University of California, Santa Cruz<br>Santa Cruz, CA                                                                                                                                                                                                                                                                                                                                                |                          |
| TECHNICAL SKILLS | <ul style="list-style-type: none"><li>• Languages: Java (Proficient), C (Intermediate), Swift (prior experience)</li><li>• Frameworks: Android, iOS, OpenCV</li></ul>                                                                                                                                                                                                                                                                                           |                          |