

# Kenneth Lieu

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## EDUCATION

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### University of California, Davis

Davis, CA

*Bachelor of Science in Computer Science and Engineering, Minor in Electrical Engineering*

*Sep. 2018 – June 2022*

## EXPERIENCE

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### Server Repair Technician

Nov. 2023 – Current

*Wistron Corporation*

*Santa Clara, CA*

- Performed failure analysis on Vulcan boards to determine defects associated with the hardware
- Wrote bash Linux scripts to perform numerous tests on Vulcan boards for quality assurance
- Assembled and disassembled 9 different components of Vulcan boards to further investigate hardware issues.
- Documented and summarized all Vulcan board units coming in and out of the department building

### AppleCare Test Engineer

Aug. 2022 – Nov. 2022

*Apple*

*Sunnyvale, CA*

- Created Standard Operating Procedures for 10 different testing machines
- Troubleshoot and performed early field failure analysis on 20 AirPods daily
- Executed 5-10 unit tests on testing machines through the testing line for AirPods and iPhones
- Maintained a healthy, clean, and safe work environment for all workplaces with Apple

### Product Management Intern

Jun. 2021 – Sep. 2021

*Seagate*

*Shakopee, MN*

- Ported 6 Python files for a logparser to C++
- Utilized Linux and BusTrace as well as Voltimeter and oscilloscope to run 2-5 performance tests
- Optimized Excel's data analytics and visual features to present results of my findings to 10 team members to address feedback and improvements

### Robotics Engineer

Oct. 2016 – May 2018

*Robotics Club*

*San Francisco, CA*

- Collaborated with 10 team members to assemble a robot for the annual robotics competition
- Developed 2-5 backup solutions to use in case something goes wrong in our development
- Maintained communication and interaction with the robotics team through scheduling additional in person meetings for feedback, individual progress, collaboration

## PROJECTS

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### Clear Lake Data Visualizations | *JavaScript, React, HTML, CSS, SQL*

Jan. 2022 – Jun. 2022

- Worked within a team of 4 to develop a website that demonstrates data visualizations.
- Adopted the contents from data packages to appropriately plot data visualizations for our website
- Formulated HTML, CSS, Javascript, and React to develop our React Application of the website
- Assembled features like current weather, wind maps, and dropdown menus for different data visualizations.

### UNO Lightning | *C++, Linux*

Jun. 2023 – Current

- Reworked the classic UNO game with 2 additional cards: LIGHTNING card and PARDON card
- Employed abstraction and functions to reduce code complexity and code usage
- Applied troubleshooting and testing skills to ensure smooth gameplay
- Incorporated understanding of game design to determine the limitations of LIGHTNING and PARDON cards

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL, JavaScript, HTML/CSS, MATLAB, Rust, Go, Lisp, Prolog, Ruby, CSharp

**Electrical Engineering Tools:** Oscilloscope, Voltimeter, ADALM2000, resistors, capacitors, inductors, op-amp, Vulcan boards

**Frameworks:** React, Node.js, JUnit

**Developer Tools:** Git, Github, Docker, Visual Studio Code, Visual Studio, PyCharm, Eclipse, BitBucket, SourceTree, MS Office