

# KYLE RIETTA

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## Summary

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Electrical Engineer with over 5 years of hands-on experience in hardware prototype testing and new product development. Collaborative team player with a strong track record of system troubleshooting, prototype validation, failure analysis, PCB reworks and solution implementation.

## Education

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**California State University - Northridge**

*Bachelor of Science, Electrical Engineering*

**Sept 2018 – May 2022**

*Northridge, California*

- AIMS<sup>2</sup> Hispanic Serving Institution STEM Grant Program Award Member

## Professional Experience

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**Alcatel-Lucent Enterprise**

*Hardware Engineer*

**Dec 2021 - Present**

*Thousand Oaks, California*

- Collaborate with a multidisciplinary and international team of engineers, business professionals, and FAEs from leading chip companies to ensure a cohesive approach to hardware development and deployment to a global market.
- Consistently meet project timelines and deadlines to transition from prototype to production build and deployment to the field by leveraging efficient hardware testing and thorough design reviews.
- Evaluate prototype products, ensuring design quality, integrity and functionality by performing rigorous test and validation processes and providing feedback for design modifications and improvements.
- Demonstrate excellent communication skills by effectively bridging the gap between international and interdepartmental team members, both technical and non-technical, through clear and concise documentation, regular updates, and proactive engagement.
- Participate in the complete life cycle of hardware projects, from design review, initial troubleshooting and root-cause analysis to successful solution deployment of network switch hardware.
- Ensure projects stayed on budget by managing costs, optimizing the use of testing equipment, negotiating favorable rates from vendors, and identifying cost-saving opportunities without sacrificing quality or performance.
- Actively involved in hands-on tasks, including soldering and circuit analysis, to ensure optimal hardware performance and customer satisfaction.

**Universal Studios Hollywood - Technical Services**

*Control Engineer Intern*

**Sept 2017 – Jan 2019**

*Universal City, California*

- Lead a project to facilitate a complete control system upgrade which includes show control and ride vehicle motion.
- Analyzed existing documentation and implemented safe and efficient method to execute initial phase of the project.
- Collaborated with the team of engineers to design a new ride control system architecture and completed documentation.
- Assisted team with Factory and Site Acceptance Testing to demonstrate complete and safe operation of equipment.

## Leadership Experience

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**Senior Design Project Lead** | *Autonomous UAV* | *Cal State Northridge*

**May 2021 – May 2022**

- Responsible for managing project timeline, assigning tasks for the hardware and software teams, and weekly progress reports to faculty.
- Verified completed work for safety and accuracy, ordered components and completed documentation.

**Peer Mentor** | *Mentor Collective* | *Cal State Northridge*

**Aug 2020 – Jun 2021**

- Provided support for five students individually throughout the school year.
- Served as a resource for the students and aided with advice and information about school/work balance, school programs, extracurricular activities and classes.

## Technical Skills

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**Technical Tools:** Oscilloscopes, I2C/SPI Analyzers, TI Fusion Designer, Xpedition PCB, Lattice Diamond, PSPICE, Linux

**Languages:** Python, LaTeX, MATLAB

**Software:** Oracle Agile PLM, YouTrack PM, Microsoft Excel, Word, PowerPoint, Outlook, Teams, Zoom, ALE Rainbow