

# Andrew H. Lu

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## Education:

University of California, Santa Barbara

- Pursuing B.S. in Electrical Engineering
- Expected Date of Graduation: June 2021
- Cumulative GPA: 3.87

## Qualifications:

JavaScript, Node.js, HTML, and CSS scripting. Competitive Robotics team member, 4 years. Proficiency planning large-scale events. Proficiency in Microsoft Office. Experience with Autodesk Fusion 360. Accountability, leadership, and communication skills.

## Experience:

President, Vice President, and Treasurer - DVHS Robotics

*August 2013 – June 2017.*

- Expanded club to contain six competitive teams, compared to four prior to joining officer board, by securing grant funding and hosting our first annual summer camp
- Hosted 11 tournaments in Northern California, including two state-level championships, with four years of management experience and relations with event planners
- Reduced student cost for our largest World Championships trip (serving 60 people) by \$200 per person
- Qualified to the World Championships two seasons through continued design and prototyping in the VEX Robotics Competition

Fundraising Committee Leader and Librarian - DVHS Band Council

*September 2014 – June 2017.*

- Coordinated and executed the switch to a paperless ticket system for our annual fundraiser dance, Blue Pearl, by creating a mobile ticket scanner (see Projects below)
- Sold 7,020 candy bars in annual fundraiser, compared to 4,690 in the previous year, and increased profits by 150% by simplifying candy bar checkout (see Projects below) and encouraging class competition
- Started tradition of movie bonding events before football game performances to strengthen community within our band program
- Reorganized and managed distribution of music in our music library

## Projects:

*Learn more about these projects at [andrewhlu.github.io](https://andrewhlu.github.io)*

- UCSB Dining - A Cortana Skill that recommends a Dining Common based on food that you like, created for Microsoft Cortana Hackathon, 2018
- Tinder4Tutors - A variant of Tinder designed to facilitate search for tutors, created for SLO Hacks, 2018
- ScaVision Hunt - A real-time multiplayer scavenger hunt, in real life, created for SB Hacks IV, 2018
- Blue Pearl Scanner - Mobile scanning for shorter lines and efficient check-in, 2017
- Candy Bar Fundraiser POS - A modified POS to manage candy checkout and inventory, 2017

## Honors and Activities:

- Honorable Mention Recipient, Microsoft Cortana Hackathon, 2018
- Event Finalist and Honorable Mention Recipient from Google, SB Hacks IV, 2018
- Scholarship Recipient, DVHS Music Program, 2017
- Competitor, VEX Robotics World Championships, 2015 and 2016
- Tournament Champion, VEX Robotics California State Championships, 2016
- Tournament Finalist, VEX Robotics California State Championships, 2015