

**Randy Lam**  
(415) 672-3032 / [rlam27@ucmerced.edu](mailto:rlam27@ucmerced.edu)  
[rlam15.github.io](https://github.com/rlam15)

## EDUCATION

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University of California, Merced

*Bachelor of Science, Computer Science & Engineering*

Expected Graduation: May 2019

**Related Coursework:** Algorithm Design and Analysis, Object Orientated Programming, Principles of Information Systems, Robotics, Computer Networks, Artificial Intelligence, Digital Imaging Processing, Discrete Mathematics.

## SKILLS

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Technical: C++, Java, Python, Swift, HTML, Microsoft Word, Microsoft PowerPoint, Photoshop

Languages: Bilingual in Cantonese Chinese

## EXPERIENCE

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Society of Asian Scientist and Engineers (SASE) – Member & Web Master, *Merced, CA* February 2018-Present

- Updated and designed SASE's website, Facebook, and Instagram.
- Consulted with fellow board members to achieve a goal.
- Generated PowerPoints depending on the specific event.

Test Assistant at Adecco, onsite with Waymo- Atwater, CA

June 2018-August 2018

- Provided real life scenarios to test the limits of self-driving cars
- Worked with vehicle operators to achieve necessary test results.
- Trouble shooting self-driving cars.
- Maintained auxiliary vehicles.

## PROJECTS

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Brick Breaker Game

March 2018

- Presented this game in front of the whole class talking about how we split up the work and the issues we faced and solved as a team.
- Used object orientated concepts to implement game logic, paddle, and bricks in C++
- Taught other members how to utilize GitHub.
- Used Photoshop to create the graphics of the paddle and brick.
- Debugged and offered ideas on "cheats" for the game.

Maze Traversing Simulator

December 2018

- Implemented the robot's camera sensor in C++ to detect walls and treasures.
- Made sure the traversing node of the robot was compatible with the sensor node.
- Weekly checkups to discuss progress and any questions that need to be addressed.
- Trouble shot errors when robot couldn't traverse across certain section of the map.

League Bot

November 2019

- Used Python to extract information from OP.GG's website site to display information when called.
- Analyzed the HTML of OP.GG to isolate patterns or key words and extract important information.
- Integrated into a Discord chat for members to use.