

# Jason Ting

2197 Cuesta Dr. Milpitas, CA 95035

Phone: (408)-466-7691 | Email: jasont95035@gmail.com

LinkedIn: <https://www.linkedin.com/in/jting-prof/> | Website: <http://jting2.github.io>

## OBJECTIVE:

To obtain an internship or co-op position

## EDUCATION:

University of California, Santa Cruz

Computer Engineering, M.S.

Sept 2018 - June 2019

Expected Graduation: Spring 2019

University of California, Santa Cruz

Computer Engineering, B.S (4<sup>th</sup> year), GPA: 3.4

Sept 2014 - Present

Expected Graduation: Spring 2018

## Related Coursework:

AI (current) • Operating Systems • Logic Design With Verilog • Logic Design • Electronic Circuit • Abstract Data and Algorithm • Computer Network  
• Data Structure • Game AI • Microprocessor Design

## SKILLS:

### Software:

- Proficient in , C, JavaScript, HTML/CSS
- Competent in Python, Java
- Tools/IDE: Eclipse, MATLAB, Oscilloscope, Vivado, Unix, GIT, VMs

## WORK EXPERIENCE:

### Lab Instructor | Logic Design

Jan 2018 – Present

- Teaching a class of 20 students learning logic design
- Subjects taught include state machine, sequential circuits, system level design
- Debugged state machine using simulator

### MSI Learning Assistant | Logic Design Tutor

Jan 2017 – Jan 2018

- Facilitate interactive group learning sessions for up to 12 students at a time
- Help the students work together to understand the class material
- Create a collaborative learning environment
- Taught students how to create a state machine and solve sequential circuit problems

### Grader | Intro to Java

Sept 2017 – Jan 2018

- Created and used python script to grade programming assignments and store result onto an excel

### Individual Tutor | Abstract Data and Algorithm

Jan 2017 – Mar 2017

- Create lesson plan to help student further understand the concept
- Keep tutee engaged during tutor hour
- Taught sorting / searching techniques and basic graph algorithm

## Extracurricular:

### UC Santa Cruz Badminton Officer

Sept 2016 – June 2017

- Help coordinate events with other schools
- Communicating with OPERs

### National 2 USA Badminton Umpire

March 2013 – Present

- Gained experience in handling certain on court situation between players
- Ensure that the match runs smoothly by resolving and problems
- Made sure everything is within BWF regulations

## PROJECTS:

---

### Amazon Recommendation System

April 2018 - Present

- Used collaborative filtering to recommend users product
- Use cosine similarity to find similar users
- Used K-nearest neighbors for computation

### Smart Parking System

Jan 2018 – Present

- As a team of four, our goal is to make a smart parking system that helps user find parking through an app
- Used TCP/IP and REST API to send information from microcontroller to the cloud
- Used OV7670 with microcontroller to capture car image

### Super Smash Bro Melee Bot

Nov 2017 - Jan 2018

- Created an AI training bot that helps player practice their chain grabs
- Implemented using behavior tree and genetic algorithm

### Ultimate Tic Tac Toe Bot

Sept 2017 – Oct 2017

- Used python to create an AI bot that will play Ultimate Tic Tac Toe
- Used Monte Carlo Tree Search to determine the next move
- Included heuristics to help the AI decide the next move

### Skyfall

April 2016 – May 2016

- Used verilog and schematics to make a game where you dodge falling meteors
- Created state machine with verilog to control the game state
- Interaction between FPGA board and monitor