# Jason Ting

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## EDUCATION

### UC SANTA CRUZ

Master's of Science: Computer Engineering
Expected graduation:
December 2019 | Santa Cruz, CA

Bachelor's of Science in Computer Engineering
Graduated:
June 2018 | Santa Cruz, CA
GPA: 3.4

## COMPUTER SKILLS

### PROGRAMMING

• Python • Java • Assembly
• C • Verilog
•HTML •CSS • JavaScript

### TOOLS AND IDE

• Eclipse • MPLAB X
• VMs • ISE Design Suite
• GIT • Unix • Vivado
• Oscilloscope
• MATLAB

## 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

## LANGUAGES

English (Native)
Mandarin (Fluent)

## EXTRACURRICULAR

• Society of Asian Scientist and Engineers
• Chinese Student Association
• National Level USA Badminton Umpire

## WORK EXPERIENCE

### LAB INSTRUCTOR | Logic Design

January 2018 - present | Santa Cruz, CA

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

### MSI LEARNING ASSISTANT | Logic Design Tutor

January 2017 - January 2018 | Santa Cruz, CA

- 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

### READER | Intro to Java

September 2017 - January 2018 | Santa Cruz, CA

- Successfully written and implemented Python script to evaluate students' programming assignment

### INDIVIDUAL TUTOR |Abstract Data and Algorithm

January 2017 - March 2017 | Santa Cruz, CA

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

## PROJECTS

### TITANIC SURVIVAL | Current

- Given a dataset, train a model to predict passengers that will likely survive the Titanic
- Plan to implement using logistic regression or SVM

### AMAZON PRODUCT RECOMMENDATION | March 2018

- Incorporated collaborative filtering to recommend users product
- Implemented cosine similarity to find similar users and K-nearest neighbors for computation

### SMART PARKING SYSTEM |January 2018

- Achieved goal of making a smart parking system that allow users to find availability of parking spots via mobile application
- Incorporated TCP/IP and REST API to send information from microcontroller to the cloud
- Used OV7670 with microcontroller to capture car image

### SMASH BRO MELEE BOT |January 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 | October 2017

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