

**Jerson A. Gutierrez**  
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## EDUCATION

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**University of Southern California, Viterbi School of Engineering** **Los Angeles, CA**  
*BSc. Computer Science and Computer Engineering* August 2016- December 2019  
**Relevant Coursework:** Digital System Design, Data Structures and Object Oriented Programming, Embedded Systems, Discrete Mathematics

**Pasadena City College** **Pasadena, CA**  
*Associate in Arts. Social Sciences, Physical Sciences, and Business* August 2014 - May 2016  
**Relevant Coursework:** Calculus I, II and III

## WORK EXPERIENCE

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**Pier 1 Imports** **Pasadena, CA**  
*Cashier and Stock maintenance* April 2012 – August 2016

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- Maintain and develop store fixtures
- Manage in-stock and customer inventory

**Learning Assistance Center** **Pasadena, CA**  
*Financial Accounting Tutor* August 2015 – May 2016

- Prepare study material for financial accounting exams
- Offer general assistance on financial accounting concepts

## PROJECTS

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**Verilog Implementation of Pong**  
*Team Member* November 2018 – December 2018

- Collaborated with a team of three to design the classic game Pong for the Spartan 6 FPGA and VGA display
- Personally responsible for development and implementation of the state machine to calculate the direction of the ball and how it functions with the other files.

**iRobot Waypoint Follower w/ Obstacle Avoidance**  
*Team Member* March 2018 – April 2018

- Programmed an iRobot to autonomously follow waypoints of our choosing while avoiding obstacles.
- Tested various sensor attachments, such as a sonar sensor, to follow our path using the simulation program vrep.
- Organized and constructed the final report to thoroughly communicate the process executed.

## SKILLS

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<b>C++/C: Proficient</b>	<b>Verilog: Intermediate</b>	<b>Microsoft Office: Proficient</b>	<b>Python: Proficient</b>
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**Languages:** English, Spanish  
**Volunteer work:** Golden Years / Reading Partner