

## Luigi Sayson

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### EDUCATION

University of California, Irvine

Expected June 2018

**B.S. Computer Science**

GPA: 3.55

Minor: Spanish

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### LANGUAGES & TECHNOLOGIES

- Coding: C/C++, Python, HTML, and CSS, Ruby, Java, JavaScript, Bash shell scripting, and SQL
  - Environments: Windows, Linux, MySQL, Cloud9, Eclipse
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### PROJECTS

#### Sudoku Solver

February 2018

- Implemented AI techniques such as constraint propagation and forward checking to speed up the solving process
- Works for Sudoku puzzles of any size

#### Virtual Machine System

November 2017

- Simulated a virtual machine in Java using segmentation and paging
- Accepts virtual addresses and translates them into physical addresses
- Implemented a translation look-aside buffer to make the translation process more efficient

#### Devmatch

July 2017 – August 2017

- Created mock e-commerce website deployed on Heroku that connects software developers and entrepreneurs
- Offers registered users basic and premium membership subscriptions for their accounts
- Built using front-end and back-end techniques using Ruby on Rails, HTML, CSS (Bootstrap library), and JavaScript.

#### Othello

March 2015

- Programmed the game Othello along with a GUI using Tkinter widgets in Python.
  - User can choose the dimensions of the board, with a minimum of a 4 by 4 board and a maximum of 16 by 16.
  - The program determines once the game is either won or drawn, and outputs a message.
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### EXPERIENCE

#### Secretary

Rotaract, University of California, Irvine

June 2016 – June 2017

- Composed and sent weekly email newsletters in HTML for over 70 club members while managing club mailing list.
- Oversaw and worked closely with 2 marketing directors and 1 website administrator in the marketing committee to promote club events and manage club website.
- Collaborated and communicated with 18 other club officers to plan weekly meetings.

#### Dining Services Attendant

Pippin Commons, University of California, Irvine

April 2016 – June 2017

- Oversaw the different stations I was assigned to
  - Cooperated with other workers in an efficient manner whenever it got busy
  - Guided new workers and gave them a rundown of their duties
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### AWARDS & HONORS

Dean's Honor List, 5 quarters