# RYAN WALSH

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## EDUCATION

**University of California, San Diego** <span style="float:right">**Expected Graduation 6/23**</span>
**B.S. Physics**, Specialization in Astro-Physics
**Minor** Computer Science Engineering
**GPA:** 3.0

## EXPERIENCE

**Computer Science Support Specialist** <span style="float:right">June 2021 - Present</span>
Advantech GSE Enterprises <span style="float:right">*San Diego, CA*</span>

***Tools/Technologies:*** Python, Beautiful Soup, Selenium, Octopus, GovTribe API, Bloomberg API

- Created web crawlers utilizing the API of government websites, to extract data for upcoming bids on contracts
- Cleaned and parsed 60k entries from 10k raw data files into one database for future conversion
- Recruited, trained, and managed 10+ interns in recruitment, capture, and software engineering

**Computer Science Intern** <span style="float:right">June 2019 - Aug 2019</span>
Xpress Tickets <span style="float:right">*San Diego, CA*</span>

***Tools/Technologies:*** Solidity, Git/GitHub, InVision

- Created and tested wire frames for future implementation
- Created bug reports and fixed bugs pertaining to front end of the app
- Collaborated with an international team to aid in development of a smart contracts and UX design

**Front Desk Associate** <span style="float:right">Aug 2017 - Aug 2019</span>
Stevenson Fitness <span style="float:right">*Oak Park, CA*</span>

- Preformed member acquisition and retention services
- Preformed janitorial services throughout the work day
- Collected and sorted customer feedback for future team meetings

## EXTRA-CURRICULAR ACTIVITIES

**Rocket Propulsion Lab** <span style="float:right">Aug 2020 - Jun 2021</span>
UCSD RPL <span style="float:right">*San Diego, CA*</span>

***Tools/Technologies:*** SolidWorks, C++

- Created and analyzed circuits in SolidWorks as a member of the Avionics division
- Modified code that dealt with communicating various parameters to the ground station during flight

**Tau Kappa Epsilon Fraternity** <span style="float:right">Aug 2020 - Present</span>
UCSD <span style="float:right">*San Diego, CA*</span>

- Volunteered for various community service events with St. Jude's Hospital
- Contributed to the organization of multiple social and educational events for our members

## PERSONAL PROJECTS

**Smart Mirror** <span style="float:right">Aug 2020 - Jun 2021</span>
***Tools/Technologies:*** Raspberry Pi, IDLE (Python), GitHub, computer monitor, wooden frame

- Built the frame and custom mirror screen from scratch
- Utilized a Raspberry Pi and a GitHub repository to write functions to display custom applications

**RC Car** <span style="float:right">Oct 2019 - Oct 2019</span>
***Tools/Technologies:*** Arduino, Arduino IDE, Sensor, C#

- Integrated a Sensor into an RC car to follow a line on the ground

**Video Games** <span style="float:right">Aug 2018 - Jun 2019</span>
***Tools/Technologies:*** Visual Studio, C++, IDLE(Python), PyGame, Python

- Created a Pac-Man like game with multiple levels in C++
- Created A Galiga like game in Python with the Pygame library

## SKILLS

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|---|---|
| **Languages** | C++, Python, Java, HTML, CSS, SQL |
| **Tools** | Git, Mathematica |
| **Soft Skills** | Time Management, Teamwork, Communication, Problem Solving, Leadership, Accountability |