

# CHAD WALL

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cmwall0.github.io/portfolio-website/

## SUMMARY OF QUALIFICATIONS

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I have worked on multiple projects and engaged in many classes, all of which have honed meaningful software engineering skills involving programming languages, development tools, and most importantly, agile development. Working in large teams, I have learned how not only to act as the head for sub-sections such as testing and building, but have also learned to communicate with project managers, team leads and coworkers alike on design, development, testing, and documentation.

## SKILLS

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Programming Languages:	JavaScript (ES6), HTML5/CSS, C++, C#, Java, Assembly
Development Tools:	Git/GitHub, Visual Studio Code, Jest, Cypress, Unity, Eclipse
Agile Software Development:	Lead Builder, Lead Tester, Documentation Development

## EDUCATION

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<b>University of California, San Diego</b> , Regents Honor Bachelor of Science, Computer Science <i>GPA: 3.77</i>	Sep 2018 - Anticipated Jun 2022
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## EXPERIENCE

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<b>FIRST Robotics Team 2445</b> <i>Software Developer</i>	Kapolei, HI Jan 2016 - Mar 2018
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- Worked six hours each day after school, including weekends, to design, develop, and test the software used for the team's robot.
- Acted as the team leader for two years in the programming division of the team.
- Studied pre-existing Java API libraries for the robot and learned how to read and properly develop code using the library for our robot's software.
- Cooperated in a high-stress environment with other team members through consistent testing and revision in between matches during competitions.

<b>Kapolei National Honor's Society</b> <i>Student Volunteer</i>	Kapolei, HI Aug 2016 - May 2018
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- Volunteered with a group of fellow students on local community projects.
- Actively participated in over 80 hours of local volunteer service events.

## IMPORTANT CLASSES

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Advanced Data Structures - Professor Cao, Yingjun - Winter 2020  
Intro to Computer Security - Professor Stefan, Deian - Fall 2021  
Software Engineering - Professor Powell, Thomas - Winter 2021

## PROJECTS

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**Pomodoro Timer** *Javascript (ES6), HTML/CSS, Jest, Cypress, GitHub*  
[github.com/Zihaokong/cse110-w21-group27](https://github.com/Zihaokong/cse110-w21-group27)

A website used to promote productivity by allowing the user to set up, run, and manage work sessions.

- Created app with a team of nine other students.
- Acted as the lead builder, setting up the pipeline which included linting, unit testing, E2E testing, documentation automation, minification, and deployment.
- Additionally acted as the lead tester, facilitating for both unit testing in Jest and E2E testing in Cypress.
- Contributed to documentation wiki by creating pipeline and test documentation.

## AWARDS

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<b>FRC Hawaii Regional Winners</b> Awarded to the winning team of the FIRST Robotics regional competition in Hawaii.	FIRST Robotics Apr 2016
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