

# Howard Wang

Website: [h-wang.me](http://h-wang.me)  
[luw055@ucsd.edu](mailto:luw055@ucsd.edu) | 858.405.7271

## EDUCATION

**UC SAN DIEGO**  
**BS IN COMPUTER SCIENCE**  
 Expected 2021 | La Jolla, SD  
 Major GPA: 3.5

## LINKS

Portfolio:// [h-wang.me](http://h-wang.me)  
 Github:// [hwanggit](https://github.com/hwanggit)  
 LinkedIn:// [hwangprof](https://www.linkedin.com/in/hwangprof)

## COURSEWORK

### UNDERGRADUATE

Game Development  
 Web Development  
 Data Structures  
 Computer Assembly  
 Unix Tools and Scripting  
 Circuit Design and Analysis  
 Discrete Mathematics  
 Blockchain

## SKILLS

### PROGRAMMING

Languages  
 HTML • Javascript • C  
 C# • Python • Latex

### Software/Tools

Raspberry Pi • Unity  
 Visual Studio • Git Version Control  
 Github • AutoCAD

## AWARDS

### Top 3/20

Placed 3rd out of 20 teams in  
 UCSD IEEE Quarterly Project Team  
 Competition, and created a medically  
 assistive IoT device for medical patients.

### Top 3/20 and won \$250

Placed 3rd out of 25 teams in  
 Mayor's Youth Council Hackathon  
 2017

## PROJECTS

### PI FOR PARKINSON'S | IoT AND FRONT END

January 2019 - March 2019 | San Diego, CA

- Lead a team of 3 to create a medically assistive IoT device for Parkinson's Patients.
- Using Raspberry Pi, read live data from IMU and servo technology using python to correct resting tremor symptoms.
- Created beautiful front end dashboard to chart live data stored using Firebase.
- Languages and Frameworks: JQuery, Chart.js, Firebase, Python.

### ACACHOIR.UCSD.EDU | PROFESSIONAL WEBSITE

December 2018 - Present | San Diego, CA

- Created professional website for school org, hosted on UCSD web server.
- Used bootstrap to create professional UI/UX web layout and pages.
- Implemented interactive read-and-listen webpage for learning songs.
- Customized features to fit organization's primary advertising needs.
- Languages and Frameworks: Bootstrap CSS/JS and JQuery.

### DL-DESIGN.NET | DESIGNER'S PORTFOLIO

Dec 2018 | San Diego, CA

- Commissioned by a friend to create her Interior Design portfolio.
- Integrated UI features such as background parallax, Navbars, and more.
- Integrated mobile functionalities such as collapsible and draggable sidenav.
- Created fullscreen modal sliders using carousels and overlays.
- Languages and Frameworks: Materialize CSS/JS and JQuery.

### LIFEWATCH2.0 | SD HACKS 2018

Oct 2018 | San Diego, CA

- Lifeguard trainer created with Unity, SteamVR, and VIVE controller.
- Created VR UI/UX environment using Unity objects and packages.
- Programmed VIVE controller and Unity object functionalities in C#.
- Worked in team of 4 called LifeWatch2.0 for SD Hacks 2018.
- Languages and Frameworks: Unity, SteamVR API, Vive API, C.

## EXPERIENCE

### LUMINERVA | GAME DEVELOPER

June 2017 - August 2017 | Calgary, CAN

- Tested and prototyped an android educational gaming app for students.
- Prototyped new functionalities for the app using Java and JavaFx.
- Created a random math problem generator and Connect4 puzzle.
- Led a project maintenance team of 3 to test and debug code.

## LEADERSHIP

### UCSD A CAPPELLA CHOIR | DIRECTOR OF EXTERNAL AFFAIRS

Sept 2018 - Present | San Diego, CA

- Appointed Director of External Affairs for UCSD A Cappella choir club.
- Handle external affairs such as outreach, sponsorships, and marketing.
- Developed business-ready website for club using frameworks.
- Teach club members A Cappella singing techniques.