

HOWARD WANG

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PROJECTS | EXPERIENCE

Connect 4 | Full Stack Game Development

Personal Project: Java | C | UNIX

 Dec 2017 - Jan 2018

 Sacramento

- Programmed Full Stack for Connect 4 in C
- Converted full code from C to Java
- Created Connect 4 GUI using JavaFx and EventHandler
- Added custom features and UI messages to GUI to enhance UX

Mayor's Youth Council Hack-a-thon

Product design

 April 2016

 Calgary

- Placed 3rd out of 20 teams and won \$250
- Drafted designed mock-up and business plan for web database
- Integrated the city's open data catalogue and Google Maps API

Personal Website | e-Portfolio

Personal Project: HTML | CSS | GitHub

 July 2018 - Current

 San Diego

- Created custom Github Pages page
- Taught myself basics of HTML and CSS
- Curious about embedding Java applets into backend

LEADERSHIP

VP External Affairs

UCSD Wushu

 Sept 2017 - Current

 La Jolla

- Collaborate with student organizations on UCSD campus
- Facilitates and choreographs club performances on and off campus, quarter-round

Marketing | IT Assistant

Calgary Secondary School Mathematics Association

 December 2015 - June 2016

 Calgary

- Drafted and designed competition level math puzzles in LaTeX
- Set weekly outreach and advertisement quotas for team via Slack
- Facilitated city-wide math competition called "MathStars" for middle school students

COURSEWORK

Basic Data Structures and OOD

CSE 12-15L

- Used C/C++/Java generics and polymorphic containers to implement data structures.
- Introduced to data-persisting (writing to diskfiles).

Introduction to Programming

CSE 8A-8B

- Developed creative Markov AI Language Model to predict next word in a sentence
- Developed full working 2048 GUI + back end,

SKILLS | TOOLS

Experienced at:

Java

C/C++

Shell Scripting (Bash)

LaTeX

Familiar with:

Git Version Control

python

HTML/CSS/JS

Unity

AWARDS



ERC Business Case Competition 2017

Placed 3rd out of 5 teams and won \$45. Role-played as business consultant and proposed reform tactics to deal with international security threats by world-wide terrorist activities.

EDUCATION

B.S. in Computer Science

UC San Diego | 3.1 GPA

 Anticipated 2021