

## Nicholas Y. Wong

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### EDUCATION

#### Oregon State University

Bachelor of Science *Major in Computer Science*

Corvallis, OR  
Expected June 2018

#### Courses

C++: Classes & Objects      Data Structures in C      Intro to Web Development      Cryptography      Operating Systems

### SKILLS

Python      C/C++ & Arduino      Swift      HTML      Bash      Linux      Assembly      Git

### RELATED EXPERIENCE

#### HWeekend Self-Playing Guitar

*Worked in a group to create a self-playing guitar*

- Used C to program teensy microcontrollers in Arduino
- Microcontroller communicated with motors through interrupts

#### Intro to Web Development Website

*Created a personal website with a database for registering/logging in*

- Project included a website which implemented MySQL with allowing users to register/login to save game data
- Implemented a simple rock/paper/scissors game with Javascript and allowed users to maintain their scores
- Link to project: <http://web.engr.oregonstate.edu/~wongnich/cs290>

#### Operating Systems One-Time Pad Implementation

*Created a local client/server that would encrypt/decrypt strings of messages*

- Created a host on localhost that would simulate a server for encrypting and decrypting data through one-time pad in C
- User and server would communicate through TCP
- Setup server to allow up to 5 concurrent connections through spawning new processes

#### Software Engineering Battleship HTML Game

*Worked with group members on Github to methodically produce a Battleship game*

- Created paper prototypes to produce a final product
- Created a battleship implementation of a player versus AI in Java
- Worked on back-end code that allowed the user to play the game on a mobile device

### EXPERIENCE

#### Oregon State Dining Center

*Student Employee*

Corvallis, OR  
2015 - 2016

- Prepared and produced foods distributed throughout the catering services and dining halls
- Maintained a clean facility in the workplace
- Organized and stored workplace utilities

#### OSU Institute of Electrical and Electronics Engineers (IEEE) Store

*Store Cashier*

Corvallis, OR  
2013 - 2014

- Managed the campus IEEE student store weekly
- Facilitated all customer transactions and returns
- Maintained a clean and ordered working environment

### ADDITIONAL INTERESTS

Hobbies: Music, App Design/Implementation  
Languages: Mandarin Chinese, English