

# MAY WANG

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## EDUCATION

### B.S. Computer Science | University of Washington • Seattle

Sept 2019 - June 2023

*Interdisciplinary Honors Program*

- **GPA:** 3.83/4.00
- **Coursework:** Java Programming, Web Programming, Logic & Set Theory
- **Upcoming Courses:** Data Structures & Parallelism, Software Design & Implementation

## TECHNICAL SKILLS

**Languages** | Java • HTML5/CSS • JavaScript • SQLite

**Tools & Frameworks** | Express • Node.js • Git

## PROJECTS

### Yipper

- Created a full-stack, dog-based "Twitter" website using **JavaScript** and stored all data in a database
- Used **Express** to create a web service and used **AJAX** to fetch text/JSON data from this API
- Features: filter by search, liking posts, viewing all posts for a designated user, user validation

### Huffman

- Encoded standard text/binary files using binary trees and **Java** priority queues to implement the Huffman coding scheme
- Compressed and restored file size of Shakespeare's "Hamlet" by 87 KB with a Huffman code

### Anagram Solver

- Generated all possible anagrams of a given word using recursive backtracking and HashMaps

### Evil Hangman

- Wrote **Java** class to manage the state of a hangman game that delays picking a word until forced to
- Efficiently processed possible sets of words from a dictionary of 127000+ words using **Java** collections, classes, and interfaces, including TreeSet and TreeMap

## EXPERIENCE

### Teaching Assistant | UW Paul G. Allen School of CSE

Sept 2020 - present

*Computer Programming I*

- Leading weekly sections to teach **Java** programming to 20+ students with diverse skill levels
- Teaching parameters/returns, conditionals, loops, file processing, arrays, algorithms, objects
- Assisting students with conceptual questions and debugging homework in (virtual) office hours

### Resident Adviser | UW Residential Life

Sept 2020 - present

- Supporting and encouraging residents to explore their identity and trajectory in a team of 8 people
- Fostering a sense of community in apartment-style residence halls with 200+ residents by facilitating one-on-one interactions and virtual floor events

### Dawg Daze Leadership Council | UW First Year Programs

Dec 2019 - Oct 2020

- Coordinated remote Welcome Week events in a team of 13, resulting in 7500+ attendees

## ACTIVITIES

**SWE • ACM-W • Students Expressing Environmental Dedication (SEED)**