

# Matthew Wong

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## Education

University of Maryland,  
College Park  
*B.S. Computer Science and Applied  
Mathematics, May 2020*

- **Cumulative GPA: 4.00**

## Proficient Languages

### Expert:

- Java
- C
- Ruby
- Ocaml

### Intermediate:

- C++
- HTML
- CSS
- JS
- Rust
- SQL
- PHP

## Additional Skills

- Bash Shell
- Git
- MIPS CPU Assembly
- Microsoft Office
- Intermediate Understanding of computer hardware

## Accomplishments

- Dean's List (All Semesters)
- Received 1<sup>st</sup> Place Prize at UMD's iSchool Hackathon with Water Contamination Project

## Activities

- Intervarsity Christian Fellowship Leader
- Violinist in UMD Quartet
- Member of UMD Green Terps
- Primannum Honor Society

## Work Experience

### Teaching Assistant for Organization of Programming Languages (CMSC 330)

Fall 2018-Present

- Graded projects, tests, held office hours, and assisted students with programming topics in Ruby, Ocaml, Rust, and Web Security

### Teaching Fellow for Introduction to Flight Systems (ENAE 380)

Fall 2017-December 2017

- Graded projects and taught labs in C++ programming language to Aerospace Engineers
- Led programming discussions dealing with CPU timing, Endian Swapping, UDP, Pipes, Orbital Elements, Rotation Matrices, Two Line Elements, and Accelerometers

## Projects

### MeeshQuest (In Progress)

Fall 2018-Present

- Creating low level MapQuest in CMSC420 using Java and advanced data structures (i.e. Quadtrees)

### Personal Text Editor (In Progress)

Summer 2018-Present

- Programmed personal text editor from ground up using JavaScript and jQuery library
- Received more experience with different data structures and algorithms

### Personal Website (mattwong77.info)

Summer 2017

- Programmed my entire website from ground up, having no prior experience in web development
- Self-taught HTML, CSS, JavaScript, and jQuery

### Water Contamination in Maryland Data Visualizer

Fall 2016

- Given a set of water contamination data in Maryland, I worked in a team of 4 to visualize the data on a website using HTML, CSS, JavaScript, Node.js, json

### Two Player Betting game on MIT Scratch

Fall 2015

- First project built while learning programming in high school; supposed to mimic [www.bustabit.com/play](http://www.bustabit.com/play)