

Matthew Wong

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Education

University of Maryland,
College Park

*B.S. Computer Science and Applied
Mathematics, May 2020*

- **Cumulative GPA: 3.93**

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 1st 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-December 2018

- 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

Fall 2018

- Created 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