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**Personal Portfolio:** https://dfhdwe.github.io/personal-portfolio/

**EDUCATION**

* Double Majors in Computer Science and Mathematics, University of Maryland - College Park (College Park Scholar in Residence)
* Syosset High School, class of 2018 (3.9 GPA unweighted)
* Independent CS Coursework:

Udemy: Build Responsive Real-world Websites with HTML5 and CSS3

The Complete Android N Developer Course using Java

Learn Flutter & Dart to Build iOS & Android Apps

Machine Learning, Data Science, and Deep Learning with Python

Python Programming

React – The Complete Guide (incl Hooks, React Router, Redux)

High School: Java Programming (iD Tech)

**EXPERIENCE**

Research Assistant Stony Brook University, NY June 2020 - Present

* Co-authored in a human-computer interaction research paper on distribution Fitts’ Law, the paper is published in CHI2021, link down below.
* https://new.precisionconference.com/chi21b/coauthor/subs/2810
* Lead Co-author in a human-computer interaction research paper that is still in progress on steering law distribution, along with a master student.
* Research is mainly focused on the movement time prediction of tasks that involve constrained motion using a limb such as a cursor. Had to write a Java program that allows 3 experiments corresponding to different constraints and is currently writing the paper.

Lead Software Engineer Ouluxx, MD March 2020 - Present

* Orchestrated and helped develop a Minimum viable product website that requires a React front-end and Node.js backend with MongoDB database along with 2 other members.
* Orchestrated the development of the second version of the website, which is still in progress. The website requires React, CSS, Node.js, and MongoDB.
* Other than managing the project, focused mainly on front-end development (on the second version of the website) using React and CSS along with 2 others, and a video chat feature using Socket.IO by myself.

Internship Autozuche Front-End Development Group, Shanghai June-August 2019

* Helped finished three projects using React, Flutter, HTML, SCSS, and Redux with partial help from seniors:
  + Coded the App’s display page for car rental schedule with React, SCSS, and Redux
  + Rewrote the registration page for car owners with flutter and SCSS;
  + And rewrote the renting page with React, Redux, HTML, and SCSS.

Internship ABS Technology Development Group, Shanghai July-August 2017

* Finished a project using C++, JavaScript, and SQL that links the scanned product barcode with real-time inventory and sales database along with some other team members.

Research Assistant Department of Computer Science, Queens College July-August 2016

* Identified investor sentiment with downloaded Seeking Alpha articles. Codes were written in Java.

**TECHNICAL EXPERIENCE**

* Hackathon Team Competition at JHU October 2018
* Hackathon Team Competition at Bitcamp April 2019
* Syosset Competitive Programming Club September 2016 – May 2018
  + Served as the President of the club: Help organized competition participation, and helped participants practice coding problems.
* Syosset Website Development Club September 2016 – May 2018
  + Maintained and updated school website using HTML with 1 other, helped design and create a more user-friendly website from scratch with 2 others.

**LANGUAGE AND TECHNIQUES (Levels 1 to 5)**

Fluent:

Java, HTML, Python, JavaScript (mainly React and Node.js), CSS, Git/Github, MATLAB, LaTeX

Easy to pick up:

C, Ocaml, Flutter, SQL

**OTHERS**

* 2nd place, Syosset Investment Challenge, May 2016