

Edward L. Du

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Education

University of Maryland, College Park

Expected Dec 2022

B.S. Computer Science & B.S. Psychology

3.763 GPA

- **Relevant Coursework:** Computer & Network Security, Cryptography, Intro to Computer Systems, Org. of Prog. Languages, Algorithms, Discrete Structures, Object-Oriented Prog. II, Linear Algebra, Statistics, Future of Science Communication, Entrepreneurial Opp. Analysis and Decision-Making in Tech Ventures

Work Experience

Web Development Intern – SRASYS, Inc.

Oct 2018 – Apr 2019

- Worked with the development team to create a website using HTML/CSS and Bootstrap for a client
- Participated in weekly status updates in accordance with Scrum/Agile software development

IT Intern – ERT, Inc.

Jun 2018 – Aug 2018

- Created a company website using Wix, updating the original website
- Managed the system network, performed troubleshooting and maintenance of servers

Teacher's Assistant – Computer Science A AP

Sep 2018 – May 2019

- Taught multiple classes on Java and Object-Oriented principles and provided in depth tutoring for students on their projects
- Students taught scored on average 4-5 on Computer Science A AP Exam

Projects

Business Catalog Searcher Website – Self Project

Summer 2020

A dynamic website where users can access business catalogs without the hassle of navigating different websites and interfaces. Written using HTML/CSS and JavaScript for dynamic web navigation. Account creation is handled using Node.JS and username and password stored in a secure MongoDB database. Google Maps API with custom markers is implemented for map usage.

Discord Bot – Self Project

Summer 2020

Discord music bot with the ability to play, pause, queue, and skip music. Other functions include kick/ban a user and display a user's profile picture. Written using JavaScript with accompanying JSON files and opusscript libraries. Utilized ytdl-core module with ffmpeg audio handler to extract audio from Youtube videos and feed it through the bot. Discord.js is implemented to handle voice channel connections, communication, and banning.

Awards & Certifications

Oracle Certified Associate, Java SE 8

1st Place in DC Mobile MIST Mobile Application Competition

2nd Place in Computer Problem Solving @ FBLA Regional Conference

Certificate of Merit @ Aberdeen Proving Grounds

Maryland Seal of Biliteracy (Chinese)

Skills

Programming: Java, Python, C, HTML/CSS, JavaScript, Assembly, Ruby, OCaml, Rust, R

Languages: English, Chinese

Technical Skills: Software, Web, & App Development, Fuzzing & Network Security, IT Server Management
Experienced in Scrum/Agile development process