

Maxwell Wang

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EDUCATION

UNIVERSITY OF DELAWARE

Sept. 2020 - May 2024

Bachelor of Science, Computer Science

Cumulative GPA: 3.3

Course Work: Algorithms, Database Systems, Artificial Intelligence, Machine Learning, Computer Visions, Automata Theory, Operating Systems, Secure Software Design, Cybersecurity, Data Mining

Programming Languages: C, C++, C#, CSS, HTML, Java, Javascript, Python, Typescript, ARM Assembly

Technologies: React, Bootstrap, Git, Numpy, Pandas, Scikit-Learn, Express, Tkinter, MongoDB

Tools: PyCharm, Visual Studio Code, Visual Studio, Oracle SQL Developer, Postman, Terminal

EXPERIENCE

Northrop Grumman

Roy, UT-Remote

Software Engineer Intern, Co-op and Full Time

June 2023-Present

- Designed and implemented a software prototype and an custom user experience while facilitating efficient communication and task prioritization across the team
- Gained Proficiency in DevOps, Unit Testing, Jira, Cmake, Confluence, and CI/CD pipeline
- Maintained an US DoD secret clearance for the duration of the program

University of Delaware

Newark, DE

Teaching Assistant, Proctor TA

Feb. 2024 - May 2024

- Schedule Exams for Computer Science classes to accommodate students needs and proctored those exams
- Report to the TA coordinator about scheduling issues and self progress

Teaching Assistant, Database Systems

Feb. 2023 - May 2023

- CISC 437 , teaching SQL, data retrieval languages, security and integrity and physical and logical organization of databases
- Hold office hours and graded exams and quizzes with clear and constructive feedback with 50-60 students

Volunteer Outreach, Computer Science for Social Good Club

Aug. 2022- May 2024

- Introduced prospective computer science students towards volunteering, research and industry opportunities within CS
- Redesigned the clubs website, ensuring its users are kept up to date with events

Undergraduate Research Assistant

Jun. 2022- Jan. 2023

- Created an application using the Arduino controller and Unity which allows children on the autism spectrum to play and change music layers for a song to accommodate their listening preference
- Reduced loading times for loading music from minutes to seconds by dynamically loading the mp3 files into the arduino controller, thus streamlining the queue to play music

INDEPENDENT PROJECTS

Youtube to Audio Converter

- Created an Graphical User Interface for downloading youtube videos
- Converts the downloaded videos into mp3 and wav file formats using Tkinter, Pytube and Moviepy

Type Evolve

- An web application teaching users how to improve their typing accuracy, using React and Capybara LLM and displays the accuracy, words per minute and time

UD CS For Social Good Website

- Redesigned the Computer Science for Social Good Clubs website
- Utilized TypeScriptReact/Next to improve the websites UI to keep updates of club events

Awards and Certifications

Steven Geracimos Award

Awarded May. 2024

- Won the award for the best recognition of an outstanding Undergraduate Student Characterized by Steven Geracimos

Best Computer Science Educational Hack

Awarded Mar. 2024

- Won first place for the best computer science educational hack during the 2024 University of Delaware Henhacks