

Maxwell Wang
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HONORS, TRAINING, CONTINUED EDUCATION

UNIVERSITY OF DELAWARE

Bachelor of Science, Computer Science

Awarded May. 2024

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, Godot

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

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

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

JP Morgan Chase Co

Awarded Jul. 2024

- Awarded certification for completing the online software engineering internship

SPECIFIC-RELATED ACCOMPLISHMENTS

<https://www.linkedin.com/in/maxwell-wang-08ws/> | <https://maxwangsite.vercel.app/>

Northrop Grumman, Roy, UT and sometimes Remote

Software Engineer

Aug 2024 - Present

- Designed and implemented a software prototype regarding a rocket game simulation
- Gained Proficiency in DevOps, Godot, Blender Jira, Cmake, Confluence, and CI/CD pipeline
- Gained Experience as a Scrum Master, facilitating meetings, leading discussions and keeping assignments up to date

Software Engineer Intern and Co-op

June 2023-July 2024

- 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

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

Sudoku Solver

- An flask web application taking a Sudoku Board, utilizing AC-3 algorithm to solve a sudoku problem as well as leveraging backtracking algorithm to fill out a 4x4 or an 9x9 sudoku board

Delaware Covid-19 Data Analysis

- An machine learning and data visualization project, first visualizing the covid cases through the first 100 or so days, the virus appeared in the state and trained the Support Vector Regression Algorithm for regression analysis on the dataset using sckit-learn and seaborn