# Maxwell Wang
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**HONORS, TRAINING, CONTINUED EDUCATION**

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## UNIVERSITY OF DELAWARE                                Awarded 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, 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

## SPECIFIC-RELATED ACCOMPLISHMENTS
https://www.linkedin.com/in/maxwell-wang-08ws/ | https://maxwangsite.vercel.app/

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## 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 Deputy Product owner, attending meetings shadowing the current teams product owner

*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

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**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 algortithm to solve a sudoku problem as well as leveraging backtracking algorithm to fill out a 4x4 or an 9x9 sudoku board