

Daniel Cheng

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EDUCATION

University of Pittsburgh, Pittsburgh, PA

August 2023 – April 2027

Pursuing Bachelor of Science, Master of Science in Computer Science

GPA: 3.94/4.0

Frederick Honors College, BS+MS in Computer Science Program, Music Minor

- Coursework: Theory of Computation, Programming Language for Web Apps, Systems Software, Software Quality Assurance, Data Structures and Algorithms, Mathematical Foundations of Machine Learning

EXPERIENCE

Surreality Lab, Pittsburgh, PA

January 2025 – Present

Research Assistant

- Developing solutions in the medical space with cutting-edge spatial-computing, AI, and robotics
- Currently working on an AR application to map patient data to a virtual interface using **Swift and C#**.

STIW Lab (Dr. Aakash Gautam), Pittsburgh, PA

March 2024 – Present

Research Assistant

- Assisting professor in Human-Computer Interaction Lab focused on dealing with issues of power inequity
- Co-designing learning plans focused on data literacy for middle school children with company No Code AI
- **Co-authoring research publication** on teaching structures to instruct children in data-literacy skills

LEADERSHIP

SteelHacks Hackathon, Pittsburgh, PA

June 2024 – Present

Executive Director, Previously Director of Outreach

- Managing team of 25+ people to plan SteelHacks XII 2025
- **Recruited over 600 students from 81 different universities** to apply for SteelHacks
- Formed relationships with hackathons like HackMIT, TartanHacks, HarvardHacks, and HackTech

PROJECTS

DeepClean (Web Application - TartanHacks 2025)

GitHub: [DeepClean](#)

- URL: <https://danielstevecheng.pythonanywhere.com/>
- Developed application at TartanHacks 2025 using OpenCV to detect and initiate the removal of trash from ocean garbage patches.
- Used **Flask, HTML/CSS, JavaScript** for webpage, **Python** for computer vision.

Roomies (Mobile App)

June 2024 – Present

- Currently developing a new mobile app using **Swift** to help schedule coordination among roommates and to encourage communication amidst busy and conflicting schedules
- Design focused on elevating functionality and ease of use to promote user engagement

SKILLS

Languages: Python, Java, Swift, JavaScript, C,C#, HTML/CSS, React

Technologies: Windows, macOS, git

ACTIVITIES

Musicians in Medicine, Vice President, Social Media Manager

August 2024 – Present

University of Pittsburgh Symphony Orchestra, Concertmaster

August 2023 – Present

AWARDS

Helen T. Carp Distinguished Service Award (Philadelphia Youth Orchestra)

June 4, 2023

Senate of Pennsylvania Citation of Recognition (Senator Carolyn Comitta)

May 15, 2023