

Daniel Cheng

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EDUCATION

University of Pittsburgh

August 2023 – May 2027

Bachelor of Science in Computer Science, Minors in Music and Business

Pittsburgh, PA

- **GPA:** 3.9/4.0
- **Coursework:** Theory of Computation, Web App Dev, Systems Software, Software Quality Assurance, Game Dev, Data Structures and Algorithms, Mathematical Foundations of Machine Learning, Intro to Reinforcement Learning
- **Extracurriculars:** UPitt Symphony Orchestra (Concertmaster), Musicians in Medicine (VP), CSC at Pitt, MMA

EXPERIENCE

Locammend

September 2025 – December 2025

Software Engineering Intern

Pittsburgh, PA

- Built photo capture feature for iOS app Locammend that allows users to extract vendor contact information from the camera within the app, decreasing user photo-uploading time by 50%.
- Implemented AI prompt engineering pipeline for vendor-finder recommendation system, increasing accuracy by 60%.

PNC Bank

May 2025 – August 2025

Software Engineering Intern

Pittsburgh, PA

- Built Java REST API app with Spring Boot and MongoDB to send payment status over Kafka topics for 1M+ users
- Led a team of 4 to architect and implement a connector app, improving data transfer reliability between Java payment apps and legacy mainframe systems
- Diagnosed and resolved critical defects across 7 PNC payment apps, including fixing a faulty validation process that blocked payment completion
- Created secure Kafka endpoints within payment simulator application to prevent users behind the PNC firewall from initiating unauthorized payments without security keys

STIW Lab (Pitt)

March 2024 – July 2025

Data Literacy Research Assistant

Pittsburgh, PA

- Led research with Dr. Aakash Gautam to explore disparities in K-12 data literacy and propose curriculum solutions
- Designed interactive learning plans with No Code AI, resulting in improved engagement in data literacy modules
- Co-authored study analyzing data from 30+ middle school students, presented findings to 2,000+ researchers at NCUR 2025, and published in ACM RESPECT 2026 to promote equitable tech education in underserved districts

LEADERSHIP

SteelHacks Hackathon

June 2024 – September 2025

Executive Director

Pittsburgh, PA

- Managed team of 30+ people to plan SteelHacks 2025 and raised \$50,000+ to fund Pitt's largest hackathon to date
- Negotiated with 10+ companies like Google, Amazon, and PNC, delivering highest funding round in event history
- Recruited over 1000 students from 92 universities to apply for SteelHacks 2025, resulting in the highest attendance record of any hackathon at Pitt and 100+ project submissions at the event

PROJECTS

DeepClean (TartanHacks 2025) | *Python, OpenCV, Flask, HTML, CSS, JS*

- Developed a real-time ocean waste detection tool using OpenCV to support environmental sustainability
- Built responsive UI with Flask, HTML/CSS, JavaScript to visualize cleanup zones, and Python for computer vision

KeyFobber | *Python, Git*

- Developed Python application to automate key-fob creation for 700+ tenants at One on Centre Apartments
- Dynamically mapped tenant data to recorded keystrokes, reducing manual entry time by 85%

TECHNICAL SKILLS

Languages: Java, Python, C, C#, JavaScript, HTML/CSS, TypeScript, Rust

Frameworks/Libraries: React, Next.js, Node.js, Flask, JUnit, Spring Boot, Tailwind, pandas, OpenCV

Tools/Platforms: Git, Docker, Unity, MongoDB, MySQL, PostgreSQL, Apache Kafka, PostgreSQL