

Jason Chan

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EDUCATION

Khoury College of Computer Science, Northeastern University

Boston, MA

Bachelor of Science in Computer Science; GPA: 3.8/4.0

May 2027

- Coursework: Object Oriented Design, Algorithms & Data Structures, Computer Systems, Linear Algebra, Cyber

EXPERIENCE

Teledyne FLIR

Billerica, MA

Software Engineering Intern, Unmanned Ground Systems

Jan – June 2025

- Developed and maintained full-stack Android/Java software for the Multi-Robot Control System, enabling simultaneous control of multiple unmanned ground systems.
- Applied Agile best practices, unit testing (JUnit), and peer review to maintain code quality in a large, complex codebase.
- Implemented new features and proactively uncovered and resolved critical issues while optimizing Android life-cycle management and collaborating with cross-functional teams.

PawHacks

Oakland, CA

Executive Board Member

Nov – Mar 2024

- Conceived and organized the first student-led hackathon on the Northeastern Oakland campus.
- Led funding team to successfully secure \$15,000+ in sponsorships from Khoury College of Northeastern.
- Actively recruited 150+ students from universities across the U.S. to participate in the hackathon.
- Coordinated logistical support during the event, ensuring a positive experience for all attendees.

Repl.it

San Francisco, CA

Aug – Dec 2022

Student Ambassador

- Awarded 1 of 25 worldwide Repl.it Student Ambassadorships.
- Championed and grew the Repl.it community by hosting workshops, presentations, and meetups, teaching programming to 100+ students.
- Beta tested Ghostwriter AI to ensure smooth deployment and provided online support to Repl.it users.

PROJECTS

Cosign, HackMIT | TensorFlow, Flask, React, SocketIO, NumPy, pandas

Sept 2024

- Selected to participate in HackMIT, placing top 15 out of 500+ participants in the MIT Hacks challenge.
- Developed a CNN with LSTMs classifying 250+ motion-based isolated ASL signs using TensorFlow.
- Utilized SocketIO for continuous webcam data between Flask backend and React frontend.
- Cleaned 90,000+ videos of ASL data with NumPy and pandas to fine-tune the model.

X Developer Challenge | Python, LLMs, Few-Shot Learning, X API

Apr 2024

- Selected to participate out of 1000+ applicants.
- Led a team to create a machine learning tool that warns users of potential scam posts on their timeline.
- Trained and integrated an LLM using few-shot learning for classification of tweets fetched via the X API.

Tesla Sentiment Analysis | Python, NLTK, VADER

May 2023

- Developed NLP project to determine positive attributes people associate with Tesla.
- Utilized the VADER model in NLTK to analyze over 10,000 tweets.
- Cleaned data using stopword removal and lemmatization.

Mask Verified, AYLUS Humanity Hacks | TensorFlow, Computer Vision

Dec 2021

- Won “Best Covid-19 Hack” by creating a program to enhance security during Covid-19.
- Trained a CNN using TensorFlow to detect mask usage based on facial landmarks via computer vision.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C, C++, C#, Kotlin, Rust, TypeScript, HTML, CSS, SQL, Ruby, Go

Frameworks: React, Angular, Vue, Spring, Node, Next.js, PyTorch, OpenCV, Kubernetes, Apache Spark

Developer Tools: Git, Linux, Docker, MongoDB, MATLAB, Agile, Postman, PostgreSQL, Azure, Swagger

Libraries: NumPy, pandas, TensorFlow, NLTK