

Jameson Ho

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EDUCATION

Northeastern University, B.S. in Computer Science, GPA: 3.8 / 4.0 *Aug 2021 - May 2025*

Relevant Coursework: Object-Oriented Design, Algorithms, Web Development, Computer Systems, Database Design, Programming Languages, Network Fundamentals, Software Engineering

Member: Vietnamese Student Association, Northeastern Electric Racing, Game Development Club

TECHNICAL SKILLS

Languages: Python, Java, TypeScript, Javascript, HTML/CSS, SQL, Racket

Frameworks: React, Node, Express, Jest, Mongoose

Tools: Git, MongoDB, Linux, Jira, Visual Studio, AWS

Concepts: REST APIs, Agile, AI/ML, Computer Vision, User Research

WORK EXPERIENCES

Walmart Advanced Systems and Robotics

Andover, MA

Software Engineering Co-op | Python

June 2024 - December 2024

- Developed a YOLO based computer vision model in Python to localize a robot in 3D space.
- Engineered test fixtures to achieve target MTBF metrics and 95% reliability of different components and subsystems of a robot.
- Optimized testing cycle management systems and pathing scripts, improving testing time by 30%.
- Collaborated with 5+ engineers in a fast-paced Agile environment to design and implement new testing methods based on current project demands.

PROJECTS

ShaqOverflow | TypeScript, HTML/CSS, React

Jan 2025 – April 2025

- Spearheaded development of an interactive knowledge-sharing website for users to ask and answer questions, engage in real-time messaging, and earn rewards through a karma system.
- Led backend efforts in organizing user data with MongoDB, ensuring responsiveness for storing and retrieving user profiles.
- Implemented a profile management system, ensuring secure user sign-up, sign-in, and real-time session management.

Fakebook Crawler | Python

Mar 2025

- Developed a multithreaded web crawler to navigate and extract data from 1000+ links in a protected server environment.
- Implemented automated login handling using HTTP POST requests and session management with cookies and CSRF tokens to maintain server access.
- Leveraged a queuing system to parse HTML content and manage crawling tasks dynamically, processing unvisited links with thread availability.

X Tracker | Javascript

Feb 2025

- Designed and built a real-time monitoring tool to track engagement metrics of X accounts.
- Integrated automated data visualization tools to highlight activity frequency for actionable insights based on trends.
- Deployed as a public Discord bot with custom commands to dynamically track any account, utilized in a Discord server with 30+ members.