

EDUCATION**University of Massachusetts Amherst**, Amherst, MA

Candidate, May 2024

College of Engineering: *Bachelor of Science in Computer Engineering*Relevant Coursework

Systems Programming, Hardware Organization & Digital Design, Security Engineering, Intro Embedded Systems, Data Structures and Algorithms, Linear Algebra, Complex Numbers.

TECHNICAL SKILLS**Proficient in** TypeScript, JavaScript, Python, HTML, CSS, React.js, React Native, Redux, Node.js, MongoDB, SQL, Redis, Git**Have Experience in** C, Docker, Kubernetes, Google Cloud Platform, AWS, CI/CD**PROJECTS****AudioShelf**, Back-end Developer

February 2022 - Present

- Design backend API and content delivery service in TypeScript in microservices architecture on Google Cloud
- Develop CMS dashboard and supporting API for content, user management and user permissions using React
- Host scalable serverless APIs on Google Cloud Run in production using Docker which supports autoscaling on edge
- Lead a team of two developers in backend development pipeline through task delegation and code review on GitHub

Lord of the Lunchroom, Winner of "Funnest" Prize at HackUMass 2022

November 2022

- Built hardware disguised in hats in Wild-West-style duel challenge in collaboration with three team members
- Developed game code and matchmaking server for ESP8266 in C and JavaScript which enables two people to duel
- Presented and demonstrated to five judges by explaining hardware usage and tools choice

WORK EXPERIENCE**University of Massachusetts IT**, Amherst, MA

Fall 2021 - Present

Computer Classroom Assistant

- Provide over-the-phone and in-person support for classrooms technology with common technical difficulties
- Conduct classrooms' computer checks and maintain cleanliness and safety in computer labs managed by IT
- Manage IT ticket systems for technical support and communicate urgent issues with managers in a timely manner

University of Massachusetts IT, Amherst, MA

May 2022 – August 2022

Technical Consultant

- Performed update deployment on 100+ computers using scripted hardware with OS installs on Windows and Mac machines
- Organized, set up, and maintained 12-15 computer labs, test computers for technical issues and raise service requests
- Trained one new employee on IT maintenance, ticket systems and testing methods

Cisco Systems, Bangalore, India

August 2019 – February 2020

Frontend Development Internship

- Collaborated with five team members to develop event management platform for high schools
- Developed responsive design implementing the mobile-first approach using Python Django WebApp
- Built all CRUD operations for back-end REST API, designed desktop and mobile UI dashboard.
- Presented and demonstrated project to senior members of Cisco

LEADERSHIP ACTIVITIES**HackUMass**, Rest API Workshop Leader

November 2021

- Organized hands-on workshop at HackUMass for 20+ attendees on fundamentals of REST APIs
- Guided attendees to develop their first web API and introduced back-end concepts through Express.js
- Designed and wrote documentation for sample project using Notion, which is shared to attendees as resources

CodemianCTF, Founder and President

May 2022

- Organized an Introduction to Cyber Security Capture-the-Flag for 100+ participants
- Designed 10 web, forensics, and cryptography challenges to teach different aspects of cybersecurity