

# ANGELA WEIGL

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## Education

### Northeastern University

September 2022 – May 2026

Honors B.S. in Computer Science and Business Administration, GPA: 3.86/4.0

Boston, MA

**Relevant Coursework:** Object-Oriented Design, Algorithms, Distributed Systems, Database Design, Foundations of Data Science, Discrete Math, Management Information Systems, Financial Management, Tech & Human Values

## Experience

### Apple - Software Engineer Intern

June 2024 - August 2024

- Spearheaded end-to-end development of full-stack feature for **Creativity Apps** team using **React**, **Typescript**, **PostgreSQL**, **Node.js**, **TanStack**, **HTML/CSS**, **Knex JS**, **Radix UI**
- Designed **frontend wireframes** and iterated on user experience based on leadership feedback, produced **reusable components** and **scalable database schema** to support multiple user flows
- Presented prototype to Apple leadership, performed live demos to project stakeholders, implemented **5+** stretch goals

### Akamai Technologies - Software Development Engineer in Test Co-op

January 2024 - May 2024

- Led development of **automated UI and API tests** using **Cypress** and **Typescript** for App and API Protector web security platform, enabling successful management and mitigation of security threats
- Fully automated regression and smoke testing suite, reducing test routine time from **15+ minutes** to **< 60 seconds**

### Lockheed Martin Space - Software Engineer Intern

June 2022 - January 2024

Littleton, CO

- Collaborated with a team of interns and engineers on **HiveStar**, an autonomous missions tasking system software
- Developed a from-scratch **web GUI** to digest and display live autonomous mission orchestration, enabling new customer demonstration and development functionality for **40+ HiveStar developers**
- Designed and programmed a fully **autonomous rover** from commercial-off-the-shelf parts, added **5G capability** and functionality with **8 sensor configurations**, and integrated with communication protocols for mission execution
- Exceeded objectives by utilizing scalable **Agile** methodologies to achieve threshold and **10+ stretch goals**
- Selected from team to present final project to international Chief Executives, VPs, Senior Engineers, NASA astronauts

### Sandbox at Northeastern - Executive Director, Software Developer

January 2023 - Present

Boston, MA

- Lead **70+** software developers, UX/UI designers, and brand designers across **8 project teams** as Executive Director, manage **\$10k** annual budget, coordinate logistics, project acquisition, and recruiting from **180+** semesterly applicants
- Develop **full-stack** software alongside cross-functional team, conduct weekly standup meetings, and perform code review

### National Center for Women in Technology - Campus Representative

August 2022 - Present

- Volunteer as the sole **NCWIT Campus Representative** and event coordinator at Northeastern University
- Spearhead outreach, events, and recruitment efforts for women and other gender minorities, promote various NCWIT opportunities, and engage with **25k+** community members via Slack, Facebook, and LinkedIn channels

### National Institute of Standards and Technology - Software Engineer Intern

June 2021 - August 2021

Boulder, CO (Remote)

- Collaborated with four interns as part of the 2021 NIST Summer Highschool Internship Program (SHIP), developing software for the **Thermodynamics Research Center**
- Developed programs in **C++** to support thermodynamic property databases and translate **Unicode** functions
- Researched Unicode and UTF encoding types and presented final conclusions to NIST staff

## Projects

### APIARY Lockheed Martin Space | Python, Django, Astro, HTML, CSS, JavaScript, SQL, Docker

- Provide end-to-end **autonomous auction visualization** for HiveStar via a web GUI built with **Django**
- Utilized **Astro UX Design System**, **HTML**, **CSS**, & **JS** to design and develop user-friendly frontend
- Built **SQL** database and log parsing algorithm to translate mission logs into readable data

### MFA Form Automator Sandbox | React, TypeScript, Next.JS, Postgres, Prisma, ChakraUI

- Digitize employee workflow for the **Museum of Fine Arts Boston** via a web dashboard application
- Implemented frontend features using **React**, developed **REST API** endpoints, designed **Postgres** backend database

## Technical Skills

**Languages:** Java, TypeScript, JavaScript, HTML/CSS, Python, SQL, PostgreSQL, Racket, C++

**Frameworks & Technologies:** Git, React, RESTful API, Node.JS, Next.JS, Tailwind CSS, Vanilla Extract CSS, Express, Django, Agile, Docker, JUnit, Cypress, Prisma ORM, TanStack Query, React Router, Matplotlib, NumPy