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, Fundamentals of CS I & II, Database Design, Foundations of Data Science, Discrete Math, Management Information Systems, Financial Management, Tech & Human Values

Experience

Akamai Technologies - *Software Development Engineer in Test Co-op*　　　　**January 2024 - Present**
- Spearhead development of **automated UI and API tests** using **Cypress** and **Typescript** for Akamai's App and API Protector web security platform, enabling successful management and mitigation of security threats

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 - *Director of Operations, Software Developer*　　　**January 2023 - Present**
Boston, MA
- Lead **70+** software developers, UX/UI designers, and brand designers across **8 project teams** as Operations Director, manage **$10k** annual budget, coordinate logistics, project acquisition, and recruiting from **170+** 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

NU Data Initiative - *Research Assistant*　　　　　　　　　　**January 2023 - May 2023**
- Conducted research for Encoding Narrative AI machine learning project, encoded **40+** films and quantified film traits to train an artificial intelligence system to produce accurate movie ratings

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
- Containerized GUI onto NVIDIA Jetson single board computer with **Docker**, enabling standalone server functionality

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, Python, JavaScript/TypeScript, Racket, HTML/CSS, SQL, C++, Git
Frameworks & Technologies: React, Django, Flask, Docker, Agile, Next.JS, JUnit, Cypress, Linux, REST API, Prisma