Sean Cheema

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Education

University of Florida (UF) - Gainesville, FL   GPA: 4.0/4.0
Master of Science in Computer Science, Focus in Human-Centered Computing   *May 2026*
- **Coursework:** Human-Computer Interaction, Advanced UX Design, Software Engineering
- **Involvement:** Dance Marathon at UF's Web and App Development Team

Bachelor of Science in Computer Science, Certificate in Artificial Intelligence   *Dec 2024*

Skills

Languages: HTML/CSS, JavaScript/Typescript, Gherkin, Java, Python, C++, C#, Sax Basic, C, SQL
Libraries/Frameworks: React, Angular, Cypress, Selenium, Jest, Node, Material UI, Clarity, Bootstrap, .NET, Pandas
Software: Figma, GitHub, Jira, Miro, Jenkins, Microsoft Suite, Cadence AWR

Experiences

Graduate Teaching Assistant (Operating Systems) - University of Florida   *Aug 2024 – Present*
- Grading Linux-based project and homework submissions of 125 students per week
- Continuously improving a critical class in UF's Computer Science Catalog taken by over 600 students per semester

Software Engineering Intern - Fidelity Investments   *Jun 2025 – Aug 2025*
- Delivered a full UI redesign for a production application in an Agile environment, organized using user stories in Jira
- Integrated monorepo UI components using **Angular**, **HTML**, and **CSS**, reducing redesign development time by 80%
- Automated the testing of UI features using **Selenium**, **Gherkin**, and **Java** to ensure quality in a production environment

Software Engineering Intern - Northrop Grumman   *Jun 2024 - Aug 2024*
- Crafted a GUI with **.NET** after 3 user interviews and revising paper prototypes throughout 2 cycles to design it
- Established backend support in **C#** to collect and distribute data for a drop test device including csv's and video footage
- Compiled semiconductor equipment data automatically, impacting workflow efficiency of 5 process engineers

Software Engineering Intern - Akoustis Technologies (SpaceX)   *Jul 2023 - Feb 2024*
- Streamlined design report creation, reducing processing time from 2 days to 2 minutes using **PyQt**
- Developed a CSV with thousands of modeling data entries using **Pandas/Python** for database integration
- Utilized **Sax Basic** to enhance efficiency in Cadence's AWR software for Modeling Engineers by approximately 500%

Projects

Personal Portfolio Site - seancheema.com   *Dec 2024 – Present*
- Continuously improving a website that showcases my work and personality throughout my career
- Designing interfaces and experiences using **Figma** and developing the site using **React**, **Typescript**, and **CSS**

FrontRunner   *Jan 2025 – May 2025*
- Ideated an all-in-one storefront management platform within a team of 4 by following the Google UX Design Template
- Conducted 11 user interviews, brainstormed, created 3 scenarios and personas, and prototyped to understand target users
- Created and tested a MVP prototype using **React**, **Javascript**, **Bootstrap**, **CSS**, **Cypress**, **Jest**, and **GoLang**

Dance Marathon App and Website   *Aug 2024 – May 2025*
- Headed the UI redesign via **Figma** to improve user experience and accessibility for an app for internal DM members
- Contributed to the front end development for the deployed DM app and website using **React**, **CSS**, and **MaterialUI**
- Leveraged **Python** to automate processes to incentivize event participation for over 400 internal members

Requestify   *Aug 2024 – Dec 2024*
- Project Manager in a team of 4 to create a web-based application for requesting songs and sending tips to DJs
- Used **Figma** to create design prototypes and developed the front end architecture with **React**, **Typescript**, and **CSS**
- Harnessed Spotify and Stripe APIs with **Python** for requests and monetization and used **MySQL** for data management

TAAS Redesign   *Aug 2024 – Dec 2024*
- Managed a team of 4 to redesign a Teaching Assistant Assignment System made by UF
- Built front end architecture with **React**, **Typescript**, and **CSS** to improve the system's appearance and user experience
- Observed improved learnability, physical exertion, and 0% error rates across all 3 user types through a formal evaluation