

# Sean Cheema

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## Education

<b>University of Florida (UF) - Gainesville, FL</b> <b>Master of Science in Computer Science, Focus in Human-Centered Computing</b>	GPA: 4.0/4.0 May 2026
<ul style="list-style-type: none"><li><b>Coursework:</b> Human-Computer Interaction, Advanced UX Design, Software Engineering</li><li><b>Involvement:</b> Dance Marathon at UF's Web and App Development Team</li></ul>	

<b>Bachelor of Science in Computer Science, Certificate in Artificial Intelligence</b>	Dec 2024
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## Skills

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

## Experiences

<b>Graduate Teaching Assistant (Operating Systems)</b> - University of Florida	Aug 2024 – Present
<ul style="list-style-type: none"><li>Grading Linux-based project and homework submissions of 125 students per week</li><li>Continuously improving a critical class in UF's Computer Science Catalog taken by over 600 students per semester</li></ul>	

<b>Software Engineering Intern</b> - Fidelity Investments	Jun 2025 – Aug 2025
<ul style="list-style-type: none"><li>Delivered a full UI redesign for a production application in an Agile environment, organized using user stories in Jira</li><li>Integrated monorepo UI components using <b>Angular</b>, <b>HTML</b>, and <b>CSS</b>, reducing redesign development time by 80%</li><li>Automated the testing of UI features using <b>Selenium</b>, <b>Gherkin</b>, and <b>Java</b> to ensure quality in a production environment</li></ul>	

<b>Software Engineering Intern</b> - Northrop Grumman	Jun 2024 - Aug 2024
<ul style="list-style-type: none"><li>Crafted a GUI with <b>.NET</b> after 3 user interviews and revising paper prototypes throughout 2 cycles to design it</li><li>Established backend support in <b>C#</b> to collect and distribute data for a drop test device including csv's and video footage</li><li>Compiled semiconductor equipment data automatically, impacting workflow efficiency of 5 process engineers</li></ul>	

<b>Software Engineering Intern</b> - Akoustis Technologies (SpaceX)	Jul 2023 - Feb 2024
<ul style="list-style-type: none"><li>Streamlined design report creation, reducing processing time from 2 days to 2 minutes using <b>PyQt</b></li><li>Developed a CSV with thousands of modeling data entries using <b>Pandas/Python</b> for database integration</li><li>Utilized <b>Sax Basic</b> to enhance efficiency in Cadence's AWR software for Modeling Engineers by approximately 500%</li></ul>	

## Projects

<b>Personal Portfolio Site</b> - seancheema.com	Dec 2024 – Present
<ul style="list-style-type: none"><li>Continuously improving a website that showcases my work and personality throughout my career</li><li>Designing interfaces and experiences using <b>Figma</b> and developing the site using <b>React</b>, <b>TypeScript</b>, and <b>CSS</b></li></ul>	

<b>FrontRunner</b>	Jan 2025 – May 2025
<ul style="list-style-type: none"><li>Ideated an all-in-one storefront management platform within a team of 4 by following the Google UX Design Template</li><li>Conducted 11 user interviews, brainstormed, created 3 scenarios and personas, and prototyped to understand target users</li><li>Created and tested a MVP prototype using <b>React</b>, <b>Javascript</b>, <b>Bootstrap</b>, <b>CSS</b>, <b>Cypress</b>, <b>Jest</b>, and <b>GoLang</b></li></ul>	

<b>Dance Marathon App and Website</b>	Aug 2024 – May 2025
<ul style="list-style-type: none"><li>Headed the UI redesign via <b>Figma</b> to improve user experience and accessibility for an app for internal DM members</li><li>Contributed to front end development for a production app and website using <b>React Native</b>, <b>React</b>, and <b>MaterialUI</b></li><li>Leveraged <b>Python</b> to automate processes to incentivize event participation for over 400 internal members</li></ul>	

<b>Requestify</b>	Aug 2024 – Dec 2024
<ul style="list-style-type: none"><li>Project Manager in a team of 4 to create a web-based application for requesting songs and sending tips to DJs</li><li>Used <b>Figma</b> to create design prototypes and developed the front end architecture with <b>React</b>, <b>TypeScript</b>, and <b>CSS</b></li><li>Harnessed Spotify and Stripe APIs with <b>Python</b> for requests and monetization and used <b>MySQL</b> for data management</li></ul>	

<b>TAAS Redesign</b>	Aug 2024 – Dec 2024
<ul style="list-style-type: none"><li>Managed a team of 4 to redesign a Teaching Assistant Assignment System made by UF</li><li>Built front end architecture with <b>React</b>, <b>TypeScript</b>, and <b>CSS</b> to improve the system's appearance and user experience</li><li>Observed improved learnability, physical exertion, and 0% error rates across all 3 user types through a formal evaluation</li></ul>	