Sean Cheema

seankcheema@gmail.com | 407-227-1791 | github.com/seankcheema | linkedin.com/in/sean-cheema

Education

University of Florida (UF) - Gainesville, FL — GPA: 4.0/4.0
Pursuing Master of Science in Computer Science, Focus in Human-Centered Computing — *May 2026*
Completed Bachelor of Science in Computer Science, Certificate in Artificial Intelligence — *Dec 2024*

- **Coursework:** Human-Computer Interaction, Operating Systems, Data Structures & Algorithms
- **Involvement:** Dance Marathon at UF's Web and App Development Team

Skills

Programming Languages: React, JavaScript, Typescript, CSS, Python, C++, C#, Java, Sax Basic, C, SQL, GoLang
Technologies: Microsoft's .NET Framework, PyQt, QtDesigner, Pandas, Tableau, AWR Scripting Environment
Software: Figma, GitHub, Miro, Microsoft Suite, Cadence AWR

Experiences

Peer Mentor (Operating Systems) - University of Florida — *Aug 2024 - Present*

- Leading 2 discussions weekly with over 30 undergraduate students in each, explaining course content and project specs
- Grading Linux-based project and homework submissions by 22 students per week

Software Engineering Intern - Northrop Grumman (NGC) — *Jun 2024 - Aug 2024*

- Crafted a GUI with **Microsoft's .NET Framework** after performing 3 user interviews 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 for process engineering workflow efficiency
- Carried out DoD design reviews with a team of 9 from SRR to PDR to CDR in compliance with EPM Standards
- Updated XML data housing material information via **Python** automation to be used by the mechanical engineering team

Sales Apprentice - Discount Tire Company (DTC) — *Jun 2022 - May 2024*

- Assisted tens of customers daily in selecting the appropriate products based on their needs and budgets
- Excelled in sales, teamwork, and customer engagement, surpassing sales targets of approximately $25k/day

Software Engineering Intern - Akoustis Technologies (AKTS) — *Jul 2023 - Feb 2024*

- Automated 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
- Rebuilt a program for generating hundreds of XML files for customer and modeling data using **Python**

Projects

Dance Marathon App and Website — *Aug 2024 – Present*

- Heading the UI redesign via **Figma** to improve user experience and accessibility for an app for internal DM members
- Contributing to the front end development for the deployed DM app and website using **React**, **CSS**, and **MaterialUI**
- Leveraging **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 developing front end architecture with **React** and **CSS**
- Harnessed Spotify API and Stripe API with **Python** for song requests and monetization respectively

TAAS Redesign — *Aug 2024 – Dec 2024*

- Managed a team of 4 to redesign a Teaching Assistant Assignment System made by UF
- Developed front end architecture with **React** and **CSS** to improve the system's appearance and user experience
- Performed a formal evaluation to analyze the learnability and physical exertion of the existing and new systems
- Observed improved learnability, physical exertion, and error rates across all 3 user types with the new TAAS