

Adrian Hossen

adrianhossen4@gmail.com <https://www.linkedin.com/in/adrian5/> <https://adrianhossen.dev>

EDUCATION

University of Central Florida

Bachelor of Science in Computer Science

Orlando, FL

Aug 2021 - December 2024 (Expected)

- **University GPA:** 4.0
- **Dean's List:** Fall 2021, Spring 2022, Fall 2022, Spring 2023

TECHNICAL SKILLS

Languages: Java, C#, C Python, JavaScript, TypeScript, HTML, CSS, SQL, Python, PHP, SCOPE

Databases: Prisma, Cosmos, MySQL, PlanetScale, PhpMyAdmin

Tools: GitHub, Azure DevOps, React.js, TailwindCSS, Next.js, Digital Ocean, Linux

EXPERIENCE

Teaching Assistant

University of Central Florida

Orlando, FL

Aug 2023 - Current

- Assisting a professor with their Introduction to Programming in C course.
- Holding office hours to provide assistance to the students of the course.
- Assisting in grading programming assignments and exams.

Software Engineer Intern

Microsoft

Seattle, WA

May 2023 - Aug 2023

- Developed a dynamic debugging dashboard for Bing's Feeds research metrics.
- Devised an up-sampling mechanism that up-sampled underrepresented exploration paths.
- Integrated this mechanism into one of Bing's Feeds machine learning model's pre-learning phase.
- Determined whether the mechanism improved the accuracy and precision of the model's predictions.

Explore Intern

Microsoft

Seattle, WA

May 2022 - Aug 2022

- Developed a product proposal document that detailed the impact and changes to Bing Answers.
- Collected user feedback and metrics in order to determine the scenarios and features for the product.
- Appended onto a large MVC codebase with the corresponding UI/UX and queries for the product.

PROJECTS

Ty Bot | TypeScript, Node.js, Discord.js, Prisma, MySQL

- Contributed to the UCF Knights Discord Server's bot by developing a birthday feature.
- Upon a user setting their birthday via slash commands, a profile is created for the respective user.
- Ty Bot queries the database every day at noon and announces to the server if there are any birthdays.

Personal Portfolio | TypeScript, TailwindCSS, Next.js

- Developed a personal portfolio utilizing the Next.js framework.
- Exercised the use of TailwindCSS to style nearly all the visible components.
- Hosted the site on Netlify which allows for dynamic updates via GitHub.

University Connect | TypeScript, Next.js, Prisma, MySQL, TailwindCSS, Next-Auth

- Implemented a college social platform that facilitated events and club administration for universities.
- Students are able to view event and club information such as their locations, contact information, and memos.
- Via Next-Auth, only registered students with valid school emails are allowed to access this social platform.

Comp-Notes | TypeScript, Next.js, Prisma, MySQL, TailwindCSS, Next-Auth

- Created an authenticated notes app where users can view, create, and delete notes.
- Comp-Notes offers session validation where only authorized users are allowed to access notes.
- Via Next-Auth, users can log in with a variety of providers such as Gmail, Github, and FaceBook.

Programming Language 0 Compiler | C

- Implemented a lexical analyzer, parser, and code generator for the PL/0 programming language.
- Enabled the steps of the compiler to be visualized via distinct output files.