

Adrian Hossen

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EDUCATION

University of Central Florida

Bachelor of Science in Computer Science

Orlando, FL

Aug 2021 - December 2024

TECHNICAL SKILLS

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

Tools: Git, Azure DevOps, Node.js, Discord.js, Prisma, PlanetScale, TailwindCSS, Next.js, React

EXPERIENCE

Software Engineer Intern

Microsoft

Seattle, WA

May 2023 - Aug 2023

- Developing a UX (dashboard) for Bing News Feeds' machine learning metrics for preferences.
- Refining the Bing News Feeds machine learning model for preferences.

Product Manager & Software Engineer Intern (Explore Intern)

Microsoft

Seattle, WA

May 2022 - Aug 2022

- Worked in a small team to complete a project for my product group (Content Services).
- Developed a feature spec which detailed the scenarios we wish to implement.
- Collected user feedback and metrics in order to determine the scenarios and features for our product.
- Developed a product, under the guidance of a mentor, with the intent of submitting it for production.

Lead Robotics Programming & Building Mentor

Glades Middle School

Miramar, FL

June 2016 - July 2019

- Aided students in programming/debugging their EV3 programs for their EV3 robots.
- Provided knowledge on the First Lego League tables and their respective obstacles.
- Assisted the students in building modifications to their EV3 robots.

PROJECTS

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

- 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 for the user would be made on the database.
- Ty Bot queries the database every day at noon and announces to the server if there are any birthdays as well as which user(s) they pertain to.

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.
- Hosting the site on Netlify and managing traffic on Google domains.

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

- Implemented a college social platform which facilitated event and RSO administration for universities.
- Students are able to view events and RSOs with their respective locations, contact information, and description.
- Ensured security through the use of Next-Auth and a custom login/signup page disallowing unauthorized users from accessing the platform.

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

- Created an authenticated notes app where users can view, create, and delete notes at will.
- Upon a user creating a note, their note will be saved on PlanetScale db. A user can either view or delete this note.
- Utilizing Next-Auth, the program can verify if a user's session is valid enabling Comp Notes to only be used by authorized users.

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.