Adrian Hossen

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EDUCATION

University of Central Florida   Orlando, FL
Bachelor of Science in Computer Science   Expected Dec. 2024
- **University GPA:** 4.0

TECHNICAL SKILLS

Languages: Java, C#, C, JavaScript, TypeScript, HTML, CSS, SQL, Python, PHP, SCOPE, KQL
Databases: Prisma, Cosmos, MySQL, PlanetScale, PhpMyAdmin, MySQL Workbench, NoSQL
Tools: GitHub, Azure DevOps, React.js, Next.js, Digital Ocean, TailwindCSS, Linux, Visual Studio, NodeMailer, Vercel

EXPERIENCE

Teaching Assistant   Orlando, FL
University of Central Florida   Aug. 2023 - Dec. 2023
- Assisted a professor with their Introduction to Programming in C course.
- Held office hours to provide assistance to the students of the course.
- Collaborated with fellow teaching assistants to grade programming assignments and exams.

Software Engineer Intern   Seattle, WA
Microsoft   May 2023 - Aug. 2023
- Created a schedule of experiments that collected analytical data for Bing Feeds machine learning model.
- Developed a dynamic debugging dashboard that displayed Bing Feeds research metrics as time series data.
- Devised a mechanism that up-sampled underrepresented features within Bing Feeds offline training data.
- Executed test flights to determine whether the mechanism improved the performance of the model.

Explore Intern   Seattle, WA
Microsoft   May 2022 - Aug. 2022
- Collaborated with two interns to create a product proposal that detailed the impact/changes to Bing.
- Collected user feedback and metrics to determine the scenarios and features for the product.
- Appended onto a large MVC codebase with the product's corresponding UI/UX and queries.

PROJECTS

PetPals | TypeScript, Next.js, Prisma, NoSQL, TailwindCSS, Next-Auth, Cloudinary, Figma, Vercel, NodeMailer
- Collaborated to create a dating app for pets in which pet owners can create pet profiles and connect with others.
- Assumed and fulfilled the positions of Project Manager and Backend Lead.
- Created and facilitated the application's API routes, page routes, session management, image uploads & renders, database queries & management, and hosting & deployment.

University Connect | TypeScript, Next.js, Prisma, MySQL, TailwindCSS, Next-Auth
- Implemented a college social platform that facilitated events and club administration for universities.
- Enabled students to share event/club information such as their locations, contact information, and memos.
- Ensured that only registered students with valid school emails can 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.
- Provided session validation where only authorized users are allowed to access notes.
- Enabled the usage of login providers such as Gmail, Github, and FaceBook.