

Adrian Hossen

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EDUCATION

University of Central Florida

Bachelor of Science in Computer Science

Summa Cum Laude

Orlando, FL

Dec. 2024

TECHNICAL SKILLS

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

Databases: Prisma, Cosmos, MySQL, PlanetScale, PhpMyAdmin, MySQL Workbench, NoSQL, GraphQL, AWS RDS

Tools: GitHub, React, Next.js, TailwindCSS, AWS Lambda, AWS EventBridge, Vercel, React Native, Expo, Figma, DTFx

EXPERIENCE

Software Engineer Intern

Microsoft

Seattle, WA

May 2024 - Aug. 2024

- Created an email template validator tool enabling for quick validation, development, and testing of templates.
- Created a test email sending orchestration using the Durable Task Framework to simulate production send outs.
- Created a dynamic email code editor and renderer enabling for the development and testing of dynamic emails.

Teaching Assistant

University of Central Florida

Orlando, FL

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

Microsoft

Seattle, WA

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

Microsoft

Seattle, WA

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 sports experience.
- Created a dynamic sports experience that provided schedule-based and outcome-based content.

PROJECTS

SafeLINC | Expo, React Native, AWS Cognito, AWS Lambda, AWS EventBridge Scheduler, AWS RDS, Calendly API, Figma

- Contributed to a teen suicide prevention app that provides teens with tools to adhere to their safety plans.
- Implemented a mood tracking system, a culturally sensitive resource system, integrated a Calendly appointment scheduling & tracking system, translated the app in 4 languages, and improved app loading times by 200%.
- Leveraged AWS Lambda & Cognito to apply styled HTML/CSS templates to the app's emails in 4 languages.
- Leveraged AWS EventBridge Scheduler & Lambda to create 4 recurring hydration jobs for appointment updates.

PetPals | TypeScript, Next.js, Prisma, NoSQL, TailwindCSS, Next-Auth, Cloudinary, Figma, Vercel, NodeMailer

- Created a dating app for pets in which pet owners can create profiles for their pets to connect with others.
- Created and facilitated the application's API routes, page routes, session management, image uploads & renders, database queries & management, and hosting & deployment.
- Fulfilled the positions of Project Manager and Dev Lead by hosting regular meetings and providing mentorship.