

# Adrian Hossen

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## EDUCATION

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### University of Central Florida

*Bachelor of Science in Computer Science, Minor in Mathematics*

Orlando, FL

*Aug 2021 - May 2025*

## TECHNICAL SKILLS

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

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

**Certifications:** MS Excel, MS Word, MS PowerPoint

## EXPERIENCE

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### PM/SWE 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 SWE mentor, with the intent of submitting it for production.

### Lead Robotics Programming/Building Mentor

*Glades Middle School*

Miramar, FL

*June 2016 - July 2019*

- Utilized the EV3 Lab Software to aid students in programming their Lego Mindstorm robots for several obstacles on distinct First Lego League tables.
- Provided knowledge on the First Lego League tables and their respective obstacles.
- Assisted the students in building modifications to their EV3 robots.

### Graphic Designer/Sign Manufacturer

*Pro Signs and Lighting INC*

Miami, FL

*Jan 2016 - Jan 2020*

- Designed custom signs based on client's request on Corel Draw and/or FlexiSign.
- Used a CNC router and vinyl cutter to print signs made of distinct materials, ranging from acrylic to aluminum.
- Installed signs at client locations, ranging from shopping centers to hospitals.

## PROJECTS

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### 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 PlanetScale db.
- Ty Bot queries the PlanetScale db 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, Discord.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.

### Video Image Classification | *Javascript, HTML, ImageNet*

- Developed a program that classifies an object through a webcam utilizing a model that was trained using the ImageNet database.
- The program prints the current visible object's name as well as the model's confidence percentage of its attempted classification.

### Clippy Notes | *TypeScript, Next.js, Prisma, PlanetScale, Tailwind-CSS, 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 Clippy Notes to only be used by authorized users.