First Last

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Education

University City, State

B.S. in Computer Science, Minor in Mathematics 3.8/4.0 GPA *Expected Graduation: 2026*

Relevant Coursework: *Data Structures and Algorithms, Object Oriented Programming, Discrete Mathematical Structures, Computer Logic*

Technical Skills

Languages: Java, Python, C, C++, SQL (Postgres), JavaScript, TypeScript, HTML, CSS
Frameworks: React, Node.js, Next.js, Tailwind CSS
Tools: Git, Github, Docker, Vercel, Linux, Heroku, LaTeX, Supabase

Experience

Undergraduate Teaching Assistant August 2023 - December 2023

University *City, State*

- Teaching assistant for the data structures and algorithms course

Peer Tutor August 2021 - May 2022

Highschool *City, State*

- Aided students in C and Java programming develop a solid understanding of the language.
- Provided students with resources in order to properly identify and solve problems, resulting in an average of 15% greater test scores
- Collaborated with other Peer Tutors to hold weekly group review sessions of 30+ students.
- Demonstrated how to implement complex data structures and algorithms into programs resulting in a 45% greater passing rate on assignments.

Projects

Project 1 | *React, Next.js, Typescript, Tailwind CSS, PostgreSQL, Git, Supabase*

- Developed a full stack interactive dashboard using Next.js and Supabase.
- Modeled PostgreSQL database schemas and policies for data using row level security.
- Handled user authentication and sign up with oAuth providers through Supabase Auth
- Utilizes AWS S3 buckets to store user files.
- Communicates with the PostgreSQL database using a RESTful API.

Project 2 | *Python, Discord.py, BeautifulSoup*

- Utilizes the Requests and BeautifulSoup libraries to monitor online retailers to extract item titles and prices.
- Leverages the discord.py library to connect to Discord's API and send alerts to users through designated channels.
- Enables users to monitor prices in real-time and sends alerts when they meet desired thresholds.

Project 3 | *TypeScript, Tailwind CSS, Next.js*

- Created a Next.js single-page Pomodoro timer application for improved productivity and focus.
- Leveraged Next.js to optimize performance and deliver a responsive website, improving loading times and navigation.
- Styled UI components using Tailwind CSS
- implemented TypeScript for type safety and code quality, ensuring robustness and minimizing errors
- Hosted on Vercel

Project 4 | *React Native, TypeScript*

- Award winning entry for Knight Hack's second hack-a-day, a short 12 hour hackathon at UCF
- Enables a mobile UCFID increasing the accessibility of its services, not requiring the users to keep a physical card.
- Developed using React Native to guarantee multiplatform deployability

Organizations

Knight Hacks | *Member*

- Hack-A-Day 2 Winner: Project 4