

# TYLER HAISMAN

[tylerhaisman.com](http://tylerhaisman.com) | [tyler.haisman@ufl.edu](mailto:tyler.haisman@ufl.edu) | (224) 234-6266 | [github.com/tylerhaisman](https://github.com/tylerhaisman) | [linkedin.com/in/tylerhaisman](https://linkedin.com/in/tylerhaisman)

## EDUCATION

### University of Florida

August 2021 - May 2025

B.S. Computer Science | GPA: 3.87/4.0

- Dean's List: Fall 2022, Spring 2022, Fall 2021

## EXPERIENCE

### Co-Founder and Software Engineer | React JS, Node.js, Express.js, PostgreSQL, Stripe, Azure

May 2023 - Present

Thrvia LLC | [thrvia.ai](https://thrvia.ai)

- Developed a full-stack web application for a generative artificial intelligence life coaching platform with a mission to make life coaching more accessible to all.
- Architected and implemented back-end infrastructure facilitating critical functionalities such as integrating with OpenAI, AI prompt engineering, user authentication and authorization, and third-party payment platform integration.

### Engineering Undergraduate Researcher | Next.js, TypeScript, Tailwind CSS, Express.js

August 2023 - Present

University of Florida, Computer & Information Science & Engineering | Gainesville, FL

- Led a team of five researchers as the project manager in the development of an AI-driven platform aimed at enhancing engineering technical interviews, overseeing project timelines, tasks, and milestones.
- Conducted preliminary data analysis and research, leveraging early findings to shape the platform's development strategy and enhance its future performance and effectiveness.

### Information Technology Intern | Next.js, TypeScript, Node.js

June 2023 - August 2023

Harper College | Palatine, IL

- Built an intuitive IT Service Catalog using Next.js, consolidating information from over 100 IT systems to provide Harper College employees with convenient access to system information.
- Collaborated with Access and Disability Services to establish accessibility guidelines for IT acquisitions.

## PROJECTS

### Meteorite Messenger | Next.js, React JS, Node.js, TypeScript, PostgreSQL

- Developed a full-stack instant messaging application featuring end-to-end message encryption to ensure security, robust user authentication and authorization system, and PostgreSQL database to store user data, messages, and contacts.

### NestQuest | HTML, CSS, JavaScript, jQuery

- Created a housing search service that calculates a user's optimal housing options based on a score derived from the combined distances to the nearest locations of their selected hobbies.
- Utilized Quick Sort and Merge Sort algorithms to process over 100,000 datapoints.
- Nominated by Data Structures & Algorithms course staff as one of the top projects in a class of over 450 students.

### Glowbit | React JS

- Engineered a logic numbers game using dynamic programming concepts, implemented a memoization table where users must find the globally optimal path from start to finish with the greatest sum.

### GatorAVL | C++

- Implemented a self-balancing binary search tree to handle and store (mock) student IDs and associated data.

## TECHNICAL SKILLS

**Languages:** TypeScript/JavaScript, C++, Java, SQL, Python, HTML/JSEX, CSS, MATLAB

**Frameworks/Libraries:** Next.js, React JS, Tailwind CSS, Express.js, Socket.io, Passport.js, Auth.js, jQuery, SFML, JUnit

**Databases:** PostgreSQL, MySQL

**Developer Tools:** Node.js, Docker, Azure, Git/GitHub, npm and yarn

**Other:** Generative AI, API Integration and Development, Project Management, Unix CLI, Graphic Design, Mathematics, Bike Repair, Music Production (Logic Pro)

## LEADERSHIP EXPERIENCE

### Individual Involvement Consultation Captain

May 2022 - May 2023

University of Florida Involvement Team

- Served as an executive board member for the Student Activities and Involvement department's official ambassador organization. Assisted students in finding their place on campus through personalized consultations and events.

### Eagle Scout

November 2018

Boy Scouts of America

- Led a team of volunteers in the design and construction of a paver patio and memorial plaque on the back lawn of Saint Viator High School, serving as my final Eagle Project.