

# Justin Roderick

(817)-965-1898 | [justinroderick258@gmail.com](mailto:justinroderick258@gmail.com) | [linkedin.com/in/justinroderick](https://www.linkedin.com/in/justinroderick) | [github.com/JustinRoderick](https://github.com/JustinRoderick)

## EDUCATION

### University of Central Florida

Orlando, FL

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

- **Activities:** Knight Hacks Software Development Club
- **Relevant Coursework:** Computer Science 1, Object-Oriented Programming, AI, Algorithms for ML

## TECHNICAL SKILLS

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

**Frameworks and Libraries:** React, Next.js, Node.js, Bun, TanStack Router, Express.js, Tailwind CSS, tRPC, NextAuth.js, Prisma, Drizzle ORM, pandas, NumPy, Matplotlib

**Developer Tools:** Git, Docker, AWS (EC2, S3), GitHub, Vercel, Azure, MongoDB, Jira, PostgreSQL, VS Code, IntelliJ

## EXPERIENCE

### Orlando Health

Aug. 2024 – May. 2025

*Senior Capstone Project*

*Orlando, FL*

- Led as the **Project Manager** in an **Agile** environment to create a software that determines the optimal angle and position of the cannula of a Left Ventricle Assist Device to limit complications after surgery, such as strokes.
- Initiated our **Next.js** Monorepo that utilized modern frameworks like **tRPC**, **Drizzle ORM**, and **Zod** to maintain typesafety and utilized **Turborepo** to speed up dev server start times by **76%**.
- Orchestrated a **CI/CD** pipeline to automatically update and integrate the changes in our **Docker** containers deployed on **AWS EC2** instances.
- Automated 3D segmentation of anatomical structures from patient CT scans using **TotalSegmentator** and the **nnU-Net model** within a container to eliminate the need of manual input, saving hours of time.
- Increased model accuracy by roughly **60%** by utilizing the 3D Slicer Docker image to smooth and hollow STL files which were displayed to user's using **Three.js** scenes.

### Freelance Web Developer

May. 2024 – Present

*Self-Employed*

*Orlando, FL*

- Engineered various web applications for local businesses from e-commerce sites to detailing brands.
- Utilized modern **SEO** practices to increase website traffic by on average **30%**.
- Implemented **Umami** for web analytics to allow customers to track growth and see traffic data.
- Integrated technologies such as **Cal.com** for scheduling and **Stripe** for payments to improve user experience.

### Knight Hacks

Aug. 2023 – May. 2025

*Dev Team*

*Orlando, FL*

- Maintained and helped build various club applications such as our club website utilizing **Next.js** and **tRPC**.
- Leveraged Discord OAuth2 within **NextAuth.js** to ensure efficient registration and login for **500+** club members.
- Assisted in the planning of club events that taught Software Development topics such as OOP, Git, and Full-Stack.

## PROJECTS

**Rate My Coach** | *React, TypeScript, Bun, TanStack Start, Hono, Coolify, Drizzle ORM, AI SDK, Docker*

- Engineered an app that allows users to read and write reviews for private coaches of niche fields.
- Integrated **AI SDK** for automated summary generation to provide users with an instant overview.
- Utilized **Server Side Rendering** to reduce client side loading times by nearly half.

**Slicer** | *React, Next.js, Express.js, React Native, Expo, Tailwind CSS, Vercel, MongoDB*

- Developed a lightweight Inventory Management system for restaurants to easily track orders and inventory.
- Implemented **Turborepo** to create a monorepo that combined both our web and mobile codebases to speed up our testing environment by **55%** and easily preview production builds.
- Designed a mobile app to make inventory changes using **Expo** and utilized **EAS** to deploy it to the app stores.

**UCF Events** | *React, TypeScript, Next.js, tRPC, Tailwind CSS, SQLite, Prisma, NextAuth.js*

- Created a school wide event planning platform with type-safe APIs via **tRPC** and **Zod**.
- Utilized **Prisma ORM** to simplify database queries and create a better DX.
- Secured application with **NextAuth.js**, supporting Google OAuth to simplify the signup process.