

# Brandon Hach

(336)-590-2274 | [Linkedin](#) | [Email](#) | [Github](#) | [Portfolio](#)

## EDUCATION

**The University of North Carolina at Charlotte**

*B.S in Computer Science, Software Engineering Concentration, Cum Laude*

**Charlotte, NC**

*May 2024*

## SKILLS

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

**Frameworks:** Angular, React.js, Flask, Next.js, Express.js, Tailwind, SASS

**DBMS:** PostgreSQL, Prisma, MongoDB, MySQL

**Technologies:** Microsoft Azure, Agile Methodology, Postman, Git, Docker, Notion, DataGrip, Figma, Ubuntu

## WORK EXPERIENCE

**UPS Capital**

*Application Developer Intern*

**Atlanta, GA**

*May 2025 - August 2025*

- Integrated DocuSign to enable e-signature process utilizing Angular, TypeScript, and SASS to streamline subrogation signatures, 85% estimated increase in efficiency & document signing success rate
- Collaborated in a Agile team with cross-functional stakeholders, validating business requirements and ensuring high-quality solutions align with the business's overall intention & goals
- Assumed ownership of InsureShield customer-facing application, worked on PBIs to revamp certain UI components and adjust functional logic accordingly, enhancing user & business experiences
- Helped author comprehensive technical documentation with a sequence diagram to transfer knowledge ahead of my departure to my team, ensuring clarity on software architectural flows and references

## PROJECTS

### **Collaborative Whiteboard WebApp**

- Built a custom API backend server utilizing Flask with user authentication and authorization (encrypted with bcrypt), & RESTful services consumed by a dynamic frontend service (React)
- Helped implement socket.io for bi-directional communication between users, also utilized to implement whiteboard collaboration functionality and private direct-room messaging
- Oversaw front-end development utilizing React & Tailwind, crafting a sleek, minimalist bento-inspired design layout for enhancing user experiences
- Managed project workflows to lead my capstone team by planning project execution, hosting weekly Agile sprint meetings, and making releases for each project milestone

### **Repguard**

- Integrated Docker into my team's dev environment, used for containerizing & encapsulating application code, dependencies, and runtime environments, reducing environmental-related issues
- Implemented secured authentication flows with NextAuth, including OAuth integration with providers like Google & Discord, and Magic Link using a resend library with a custom domain
- Utilized PostgreSQL to store persistent data using Prisma and query for complex store/retrieval using multiple clauses written with TypeScript and functions provided by Prisma's type-safe API

### **Luxury Cheese Marketplace**

- Implemented Model-View-Controller (MVC) architecture featuring modularized routing, controller-based business logic, models for CRUD-based operations, and Express's EJS templating engine
- Utilize middleware such as Multer for file uploads, Morgan for logging requests & errors, customized middleware for user authentication, and input form validation & sanitization for security to protect against CSRF & SQL injection vulnerability using express-validator packages

## CAMPUS INVOLVEMENT

**Association for Computing Machinery (ACM)**

*Club Member*

*September 2024 - May 2024*