

# Chase Houser

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## Education

Northeastern University, Boston, MA

(Sept. 2023 - Present)

Khoury College of Computer Sciences

GPA 3.55/4.00

Candidate for Bachelor of Science in Computer Science, Bachelor of Business Administration

**Relevant Coursework:** Database Design, Object-Oriented Design, Data Structures and Algorithms, Fundamentals of Computer Science I & II, Discrete Structures

## Technologies

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

**Frameworks & Tools:** Next.js, React, Tailwind, Figma, Strapi, Jest, TipTap, JUnit, PostHog, Arduino, Crestron, Excel

**Cloud:** AWS(ECS, RDS, ECR, S3, EC2), Docker, Terraform, MySQL, PostgreSQL, Postman, CI/CD & Github Actions

## Work Experience

**Full-Stack Development Co-op - Khoury College, Boston, MA**

(Jan. 2025 - Aug. 2025)

- Developed features for [Odyssey](#), a learning platform that enables skill-building through async courses ("droplets")
- Launched **12 major features**, including note-taking and text highlighting, a personalized activity feed complete with a friends feature, due dates, dark mode, and a features gallery
- Created a responsive user interface using **Next.js 15** and **Tailwind CSS**, maintaining consistent sitewide styling through the use of custom developed **React** components, MUI, Luxon, Lucide, and other UI packages
- Engineered production and development deployments using a three-tier architecture on **AWS** (ECS Fargate, RDS, S3, VPC, ALB), utilizing **Github Actions** to execute a **CI/CD** pipeline
- Refactored the storage and access modules of course ratings to reduce API requests
- Implemented in-depth unit testing of 72 API request functions through **200+** tests using the **Jest** framework to ensure proper base functionality, reaching **95% code coverage**
- Engaged in a **Scrum**-driven environment, participating in daily standups in 2-week sprint cycles

**Teaching Assistant for Introduction to Databases - Khoury College, Boston, MA**

(Sept. 2024 - Dec. 2024)

- Provided one-on-one tutoring during **5+** weekly office hours to clarify course concepts
- Graded over **120** student submissions per assignment, ensuring timely and fair evaluation and feedback

**Home Automation Technician and Programmer - IT@Home, Aurora, IL**

(May 2022 - Sept. 2024)

- Installed, configured, and maintained advanced home automation systems at the price point of \$30k-\$50k using **Crestron** and **RTI** processors
- Integrated and troubleshooted a range of technologies, including network devices, audio/visual components, CCTV, and system processors
- Supplied technical support to **5-10** clients per week

## Project Experience

**Team Member - [Local League Legends](#)**

(May 2024)

- Developed a local sporting league management application in a containerized environment on a team of 4
- Utilized a tech stack including **MySQL**, **Flask REST API**, and **Appsmith UI**
- Created **59** Flask routes to complete various **CRUD** operations on the database
- Enabled role-based access control (RBAC) with four distinct permission sets

## Extracurricular Involvement

**VP of Recruitment - Delta Kappa Epsilon Fraternity**

(May 2024 - May 2025)

- Organized 7 events per semester with **60+ attendees** per event, facilitating community outreach
- Increased chapter membership by **50% over 2 semesters**; managed budget of \$3300

## Interests

Marathons, Triathlons, Bike Repair, Guitar, Spanish (intermediate)