

Michael M. Mundia

Incoming Software Engineer Co-op @ Wood Mackenzie

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EDUCATION

Northeastern University – Bachelor of Science in Computer Science and Theatre

September 2021- May 2025

Relevant Coursework: Software Engineering | Technical Writing | Algorithms and Data Structures | Object Oriented Design | Web Development | Mathematics of Data Models | Human-Computer Interaction | Mathematics of Data Models | Three.js Journey

Awards

- Dean's List - Khoury College of Computer Sciences *May 2023*
- Outstanding Engagement Award for HackWhiteHall Hackathon – Res Life at Northeastern University *April 2023*

SKILLS

Languages: Java | TypeScript | JavaScript | PHP | SQL

Frameworks & Libraries: React | Next | Node | MongoDB | Mailgun | Jest | Three.js | Framer Motion | Google Cloud

Tools: Git | Visual Studio Code | IntelliJ | Docker | Vercel | Postman | Figma | Notion

EXPERIENCE

Technical Lead — HackBeanpot, Inc

April 2023 – Present | Boston, MA

- Managing 12 developers over the course of the next year to develop and improve upon the hackathon main site, live site and application portal, internal tools.
- Leading weekly meetings that includes discussing solutions, hosting workshops & demos, running retros, and assigning tickets
- Spearheading the development of the HackBeanpot Live React Native App Project, enabling hackers to view live cabin scores, mentor hours, and judging schedule during the hackathon
- Creating comprehensive documentation encompassing best practices, style guides, software architecture, env setup, stack breakdowns, and code review philosophy to enhance the productivity and collaboration of the development team.

Software Developer — HackBeanpot, Inc

April 2022 – April 2023 | Boston, MA

- Utilized React, TypeScript, Next, MongoDB to manage/develop HBP's main site, application portal and internal tools
- Built reusable and modular components for main site and internal tools using TypeScript, React Hooks, and Context API
- Hosted engaging workshops to enhance the development team on Framer Motion and Three.js frameworks
- Conducted 50+ code reviews to verify design and implementation, find bugs, and maintain consistency with HBP code standards
- Implemented automated testing using Jest to ensure the reliability and maintainability of the codebase

Full-Stack Development Intern — UpperLevel CRM

April 2022 – September 2022 | Remote

- Utilized PHP, JavaScript, and MariaDB to expand the features and capabilities of the CRM and aid clients in automating their workflows using S.O.L.I.D principles
- Increased CRM application test coverage by 70% leading to increased stability of the application for future development
- Developed and maintained RESTful API endpoints for the CRM using PHP and Laravel

Computer Science Resident Assistant — Residential Life at Northeastern University

August 2022 – May 2023 | Boston, MA

- Supervised and mentors a group of 40+ computer science freshmen residents in a university dormitory setting
- Led and organized the award-winning hackathon "Blast from the Past" (HackWhiteHall), helping freshmen build confidence, expand their technical skills, and develop valuable connections early on in their academic journey

PROJECTS

HackBeanpot Main/Live Site — Typescript | React | Framer Motion | Jest

August 2022 – Present

- Engineered Testimonials, FAQs, Event Schedule components utilizing useState hooks, props, and style-components
- Spearheads the implementation of animations to bring out main and live sites to life using Framer Motion
- Implements responsive design to ensure optimal viewing experience on different devices

Email Sender Tool — Typescript | React | Next | MongoDB | Mailgun | Jest

May 2022 – Present

- Developed a design document detailing which frameworks and APIs to use based on research to design an efficient email tool base on company needs, budget, and target audience
- Programmed bulk email sender which allows the customized flexibility of prebuilt email templates
- Integrated Mailgun API for email sending and NextAuth for website authentication

THEATRICAL PRODUCTIONS

Chief Lighting Designer/Programmer: "Pulling it All Into the Current" by Letta Neely

March 2023 – May 2023

Malcolm – Lead: "Not Exactly Dope" by Terrance Kidd – Martha's Vineyard Playhouse

April 2022 – May 2022

M.I.T. Hacker – Supporting Lead: "The Inside Man" Season 4 – Twist & Shout Communications

November 2021