

Kidus Yohannes

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Portfolio Website: <https://kidusyohannesa.github.io>

EDUCATION

Northeastern University

Boston, MA

Bachelor of Science degree in Computer Science

Expected Graduation Dec 2025

Candidate for Masters of Science degree in Bioinformatics

Expected Graduation May 2028

Coursework: Fundamentals of Software Engineering, Mobile Application Development, Computer Systems, Foundations of Data Science, Algorithms, Database Design, Object-Oriented Programing, Machine Learning in Finance, Discrete Structures.

Extracurriculars: ColorStackNEU, B.E.S.S (Black Engineering Student Society), E.E.S.A (Ethiopian and Eritrean Student Association)

SKILLS

Languages/Frameworks: Java, Python, Typescript, SQL, Swift, C#, Javascript, Node.js, React.js, Flask

IDEs: IntelliJ, Eclipse IDE, Microsoft Visual Studio Code and Microsoft Visual Studio, Xcode.

Software: Git, Slack, Azure Devops, Hashicorp Terraform, Docker, PostgreSQL, FireBase.

PROJECTS

SpreadSheet Application

- Engineered a custom spreadsheet application utilizing TypeScript and React in an Agile development environment.
- Implemented features include bar graph visualization, row/column manipulation, save/load, search and replace as well as cell referencing.
- Crafted a user-friendly interface for a seamless and simple experience.

College Budgeting App (SwiftBudget)

- Built an iOS app that aims at assisting college students with financial management
- Leveraging Firebase for seamless user authentication and data synchronization.
- Supports family circles for families who want to manage together .

Facial Recognition Software (FacRec System)

- Developed a full-stack facial recognition system using React, Python, JavaScript and PostgreSQL.
- Compares detected faces against a predetermined database.
- Designed a user-friendly interface for loading and analyzing images, improving ease of use for basic facial recognition tasks.

EXPERIENCE

Harvard, T.H Chan School of Public Health | Boston, MA | January 2024 – June 2024

Instructional Technologist, Co-op

- Conducted research on application implementation strategies to enhance academic technology integration.
- Implemented comprehensive UI updates to systematically improve course accessibility.
- Researched and tested artificial intelligence applications to examine their operational characteristics and potential use cases within academic settings.

Vallen Distribution, Inc | Remote| July 2023 – September 2023

DevOps Engineer, Intern

- Enhanced security of Azure DevOps YAML pipelines through strategic code development and deployment.
- Automated Azure Service Bus message broker infrastructure using HashiCorp Terraform optimizing cloud messaging systems.
- Assisted in the deployment and testing of cloud infrastructure components, supporting CI/CD implementation processes across Azure DevOps pipeline environments.