

# Kidus Yohannes

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

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## 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 Programming, 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)

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## 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.

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## 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.

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## 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.