

# Mathew Hirsch

Boston MA 02120

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## Education

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**Northeastern University**, Boston MA September 2020 - May 2023  
Khoury College of Computer Sciences May 2023  
Candidate for Bachelor of Science in Computer Science GPA: 3.2 / 4.0  
Related Courses:

Database Design, Web Development, Fundamentals of Software Engineering, Mobile App Development, Programming Languages, Networks & Distributed Systems, Algorithms and Data, Computer Systems, Object Oriented Design, Logic and Computation, Foundations of Cybersecurity, Discrete Structures.

**Hopewell Valley Central High School**, Pennington NJ September 2016 - June 2020

## Knowledge

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Languages: Python, SQL, Typescript, Javascript, Java, React, HTML, CSS, C, Racket  
Software: VSCode, Docker, Android Studio, DataGrip, IntelliJ, GitHub, Replit, JUnit  
Operating Systems: Windows, Linux

## Projects

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**TravelNow** (Java) Feb - April 2023

- Worked with a group to create an android app to search for local transit and flights.

**CoveyTown** (Typescript) April 2022

- Worked on an existing codebase to improve existing twilio video implementation.

**Photography Website** (Javascript) April 2022

- Created a react app hooked up to a heroku server, using Instagram API to get photos.

**Discord Bot** (python) July 2021

- Designed discord bot using discord's API to respond to messages and play games.

**Photo Editor** (Java) June 2021

- Worked with a partner to create a photo editor following the MVC design pattern.
- Included import/export functionality, image filters, and the ability to execute scripts.

**Solitaire** (Java) May 2021

- Built a solitaire game in Java, playable from the IDE console, tested with JUnit.

**Flood-it** (Java) March - April 2021

- Created Flood-it game in Java with selectable board size and two player functionality.

## Experience

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**PanoramaEd** June - December 2022

*Survey Operations Co-op*

- Used internal software to set up and QA surveys going out to thousands of students.
- Communicated across teams to ensure the correct outcome for the final product.

**JCC Princeton Mercer Bucks**, East Windsor, New Jersey

*Camp Counselor* Summer 2018 - 2020

- Worked with a team to ensure the safety of Elementary School children.
- Helped facilitate activities and implement an activity schedule.

**Interests:** Baseball, Reading, Guitar, Cycling