

# Hector Padilla

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Available January 2023 – June 2023 | [github.com/hpadilla6201](https://github.com/hpadilla6201)

## Education:

**Northeastern University**

Boston, MA | Expected Graduation – May 2024

**Khoury College of Computer Sciences**

Candidate for Bachelor of Science in Computer Science w/ concentration in Software

**Relevant Courses:** Fundamentals of Computer Science I & II, Logic and Computation, Object-Oriented Design, Algorithms & Data, Networks & Distributed Systems, Discrete Structures

## Skills:

**Languages:** Java, C#, C++, SQL, JavaScript, HTML, CSS, MATLAB

**Dev Tools:** Eclipse, Git, Visual Studio, Linux, JUnit, IntelliJ, Visual Studio Code, MSSQL, Postman, Azure

**Frameworks:** .Net, jQuery, Node.js, React.js, JavaFx, Express.js

## Professional Experience:

**Coverys, Software Developer Co-op**

Boston, MA | January 2022 – August 2022

- Performed full-stack web development to ensure users could easily access their correct courses and course certificates
- Implemented OOD practices and MVC patterns to maintain and debug Med-IQ website using C#, ASP.NET, JavaScript, jQuery, HTML, and CSS
- Programmed stored procedures in SQL to gather and manage information from multiple database tables

**Creci, Software Engineer Intern**

Remote | June 2020 – August 2020

- Updated and developed API requests using Node.js and Express.js to retrieve and send client information
- Maintained API documentation using open-source Swagger UI to optimize integration for developers and increase user awareness

**Wentworth Institute of Technology, Tutor**

Boston, MA | August 2020 – Dec 2020

- Mentored 5-10 students per week in the understanding of Computer Science I
- Guide students in the creation of problem-solving techniques and comprehensive programming skills

## Projects:

**Website Portfolio** (React, JavaScript, CSS, HTML)

June 2022

- Developed a Front-end application, focused on UI/UX design animations using various tools such as GreenSock.js (GSAP), Animate.css and custom CSS animations
- Created custom components such as buttons, headers, and sidebar in order to reduce code size and improve re-usability

**Marble Solitaire** (Java)

September 2021

- Utilized object-oriented programming principles to develop and document application as Model, View, Controller
- Enabled the functionality to solve the marble solitaire game by user input with GUI

**Image Processor** (Java)

November 2021

- Developed a photo processing application in Java by incorporating the MVC design paradigm
- Supports several image editing operations such as sharpening, shrinking, and mosaicking an image
- Interactive GUI developed through Java Swing

## Interests:

- I am part of Alphi Phi Omega, a community service fraternity. I enjoy playing basketball, soccer.