

Colin R. Wong

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EDUCATION

Northeastern University

Boston, Massachusetts

B.S. in Computer Science

December 2026

- **GPA:** 3.80/4.00 (Dean's List) | **CS GPA:** 4.00/4.00
- **Relevant Coursework:** Fundamentals of Computer Science I & II, Object-Oriented Design, Algorithms and Data, Computer Systems, Introduction to Databases, Discrete Structures, Introduction to Mathematical Reasoning, Foundations of Data Science, Foundations of Cybersecurity, Information Presentation and Visualization

EXPERIENCE

Panera Bread

Dublin, California

Team Member - Cashier

July 2022 - January 2023

- Provided excellent customer service by clearly explaining menu items and assisting customers, enhancing communication.
- Demonstrated problem-solving abilities when managing multiple tasks in a busy environment.
- Collaborated with team members to streamline workflows, developing skills in teamwork and organization.

PROJECTS

NEU Bites Website | Oasis Club Project | React, Flask

Boston, Massachusetts

Front-End Developer

Fall 2024

- Developed the frontend using React, leveraging hooks for state management and component lifecycle handling.
- Integrated the React frontend with a Flask backend via RESTful API endpoint to facilitate smooth communication between client and server.
- Worked closely with the team to contribute to the development process, ensuring seamless functionality between frontend and backend.

Northeastern Schedule Planner | React, Express, SQLite, Sequelize ORM

Boston, Massachusetts

Sole Developer

Fall 2024

- Developed a full-stack web application that enables computer science students to track and manage schedules.
- Built the frontend using React, leveraging hooks for state management, and implemented API requests to fetch information.
- Created a RESTful API with Express to facilitate data retrieval and generate personalized schedule recommendations.
- Populated and managed a SQLite database to store information, utilizing Sequelize ORM to enhance code maintainability.

Chess Game | React, Spring Boot

Boston, Massachusetts

Sole Developer

Winter 2024

- Designed and developed a full-stack chess application, utilizing Spring Boot for backend game logic and React for the UI.
- Applied Object-Oriented Programming principles and design patterns, creating modular reusable classes for game mechanics.
- Implemented comprehensive JUnit test to ensure reliability and accuracy of game logic, including move validation and castling and check logic.

Image Compression with Vertical Seam Carving | JavaFX

London, England

Backend Image Processing

Spring 2024

- Developed functions vertical seam carving algorithms in Java for image compression by removing the lowest energy seam.
- Implemented undo functionality using a stack-based approach to track and manage column deletions.
- Collaborated in a two-person team, utilizing Git for version control and integrating core functionality with JavaFX UI.

Unbeatable TicTacToe Bot | React

Pleasanton, California

Sole Developer

Summer 2024

- Designed and implemented an unbeatable Tic Tac Toe bot by utilizing the minimax algorithm, ensuring optimal play.
- Created intuitive and reusable React components to build the game board and user interface, enhancing interactivity.
- Leveraged React hooks to efficiently manage application state, enabling smooth game progression, and real-time updates.

ACTIVITIES

Northeastern Oasis Club

- Collaborated with a team of 4 other undergraduate students and a graduate student mentor to help design, develop and test a full stack web application to help other students find food around the Boston area.

SKILLS

Programming: Java, Kotlin, C, C#, Python, SQL, Javascript/Typescript, HTML, CSS

Libraries/Frameworks: React, Express, Flask, SQLite, Pandas, Numpy, BeautifulSoup

Tools: Linux, Git, Node, Sequelize, Postman, JUnit, Jest