

# NICHOLAS WONG

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(516) 225 - 9801 | Availability: January - July 2025

## EDUCATION

Northeastern University, Boston, MA

Khoury College of Computer Sciences

Candidate for Bachelor of Science in Computer Science

September 2022 - Present

Expected: May 2026

GPA: 3.2/4.0

Coursework: Computer Systems, Algorithms and Data, Artificial Intelligence, Object Oriented Design, Fundamentals of Computer Science 1 & 2, Discrete Structures

Activities: Software Engineer at Electric Racing Club, Northeastern Division 1 Basketball Student Manager

## TECHNICAL SKILLS

**Languages:** Python | Java | JavaScript | HTML/CSS | TypeScript

**Frameworks:** React | Node.js | Vite | Flask | Pygame | NumPy | Pandas

**Other:** Git | GitHub | Docker | SQLite

## PROJECTS

**Personal Portfolio Website** | React, JavaScript, HTML/CSS, Vite

July 2024

- Designed a responsive personal portfolio website using React and Vite, showcasing projects and skills
- Implemented interactive UI components, enhancing user experience and engagement across various devices
- Utilized modern front-end technologies and best practices to ensure fast load times and seamless navigation
- Deployed the website using a continuous integration pipeline, ensuring smooth updates and minimal downtime

**Video Management API** | Python, Flask, SQLite

April 2024

- Developed a RESTful API using Flask and Flask-RESTful for managing video data stored in a SQLite database
- Adopted CRUD operations for video resources, utilizing HTTP methods to support over 500 requests
- Leveraged Flask's development server for local testing and debugging, ensuring API functionality and responsiveness

**Reversi Game** | Java

December 2023

- Spearheaded a group of three in constructing multiple game modes of Reversi
- Revised and debugged 5000+ lines of code to decrease run time
- Formulated multiple strategies for an automated, computer-based player for solo gameplay
- Exercised expertise in algorithms and data types to reduce execution time

## EXPERIENCE

Northeastern Electric Racing, Boston, MA

January 2024-Present

Software Developer

- Integrate and maintain a full-stack application for a nationally award-winning race car team, processing real-time car data to assist the engineering team in performance optimization
- Implement back-end services using TypeScript, Node.js, Docker, and PostgreSQL to handle data intake and storage, improving system scalability and performance
- Manage the team website's tracking project progress, deadlines, and finances for 300+ club members across 3 teams

**J.P. Morgan Virtual Experience, New York, NY**

July-August 2024

Software Engineer

- Established a local development environment by downloading and configuring essential files, and dependencies
- Diagnosed and resolved repository issues to ensure the web application functioned correctly
- Utilized JPMorgan Chase's open-source library, Perspective, to develop a real-time data feed graph for enhanced trader monitoring and decision

**Elegant II Valet, LONG BEACH NY**

Summers 2023-2024

Assistant Manager

- Efficiently managed parking and retrieval of over 100 vehicles per hour during high-traffic events, ensuring smooth operations and exceptional customer service
- Collaborated closely with event organizers, wedding planners, and restaurant staff to coordinate parking logistics, ensuring seamless operations and guest satisfaction

## INTERESTS

Basketball | Snowboarding | Tennis | Pokémon | Skiing | Traveling | Racing | Cars