

# Robert Niyazoff

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## EDUCATION

### CUNY Queens College

*Bachelor of Science (BS) in Computer Science*

New York, NY

*Expected May 2027*

- Relevant coursework: Calculus I/II, Discrete Mathematics, Introduction to C++, Object-Oriented Programming in Java, Object-Oriented Programming in C++, Computer Organization and Assembly Language

## PROFESSIONAL EXPERIENCE

### PYE Education

*Project Developer Intern*

New York, NY

March 2024 – May 2024

- Developed a comprehensive portfolio of over 50 programming projects in Java and C++, catering to beginner to advanced skill level students, utilizing frameworks such as Visual Studio Code, and Dev C++, and online compilers such as Programiz.
- Produced clear, well-documented code samples, detailed step-by-step tutorials, and thorough video walkthroughs to facilitate student learning comprehension and project completion.
- Created quizzes for each project to assess student understanding and reinforce key concepts.
- Tested and refined projects based on feedback to optimize learning outcomes and engagement.
- Utilized an LMS framework tool as a host for all developed projects.
- Acknowledged by supervisor for showcasing "remarkable dedication and achieving results that surpassed those of many fellow interns".

### Self-Employed

*Tutor*

Remote

August 2022 – March 2023

- Led free Zoom sessions 2-3 times per week for small groups of young teenagers, including close family members and their friends. Focused on foundational Java programming concepts such as syntax, variables, control structures, and basic object-oriented principles.
- Created engaging lesson plans, worksheets, and coding exercises covering key topics such as arrays, array lists, loops, algorithms (sorting, searching), and debugging techniques. Designed materials to cater to various learning styles and encourage hands-on practice.
- Assisted students in developing minor coding projects, such as simple games and applications, fostering teamwork and practical application of programming concepts. Provided support throughout project life cycles, including planning, coding, testing, and debugging phases, while encouraging best coding practices and documentation standards.
- Adapted teaching methods and offered personalized feedback to meet individual student needs and learning styles.

## PROJECTS

### Drinking Fountain Locator App

*Creator and Developer*

- In progress of developing a mobile application that helps cyclists, hikers, runners, and walkers locate nearby drinking fountain stations by accessing users' real-time location.
- Building the app using React Native for cross-platform compatibility on iOS and Android devices, integrating Google Maps APIs for interactive mapping and real-time geolocation to display the nearest fountains.
- Designing and optimizing a SQLite database schema for efficient local storage and retrieval of fountain locations, planning to integrate cloud-based storage with Firebase for data synchronization across devices.
- Implementing user-generated content features that allow users to add new fountain locations, with a moderation system to ensure data accuracy and reliability.

### Price Drop Notifier Website

*Creator and Developer*

- Currently developing a full-stack web application that tracks product prices on Amazon and Best Buy, actively working on features that send users email notifications when prices drop to their specified levels.
- Building a responsive frontend using React.js and a secure backend with Node.js and Express.js, planning to integrate with Amazon's Product Advertising API and Best Buy's Developer API for real-time product data retrieval.
- Designing and optimizing a MongoDB database schema for efficient data storage and retrieval, setting up scheduled tasks with Node-Cron to monitor prices while respecting API rate limits.
- Implementing an email notification system using SendGrid, focusing on high deliverability and compliance with data privacy laws (GDPR) and retailer terms of service.

## SKILLS

**Programming:** Java, C++, Python, JavaScript, React

**Tools:** NextJS, React, React Native, Flask, Firebase, GIT, AWS, MySQL, MongoDB, API's

**Interests:** Cycling, Basketball, Traveling