Justin Espinal

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EDUCATION

CUNY - Queens College   **Flushing, NY**
Bachelors of Science in Computer Science   Graduation: May 2025
GPA: 3.96
Relevant Coursework: Data Structures & Algorithms, OOP in C++/Java, Database Systems, Applied Cloud Computing, Software Engineering

Code Path   **Virtual**
Intermediate Front End Development & Intro to Software Engineering Course   June 2023 - August 2023, September 2023 - December 2023
- Acquired skills in developing interactive full-stack websites utilizing React.JS and API integrations
- Gained proficiency in Python and essential programming language concepts applicable in the field of Software Engineering

SKILLS

Languages: Java, C++, Python, HTML, CSS, JavaScript, MySQL, Ruby, C#, Xamarin, Arduino, Assembly Language, Lisp
Tools and Frameworks: React, Vue, Next.js, Spring Boot, Ruby on Rails, Javax, Tailwind CSS, SCSS, NumPy, Git, Vercel, Postman, Jira, Figma

PROFESSIONAL EXPERIENCE

Bloomberg   **Manhattan, NY**
Incoming Software Engineer   August 2025

Bloomberg   **Manhattan, NY**
Software Engineer Intern   June 2024 – August 2024
- Developed an Artificial Intelligence tool that enables users of Bloomberg Law to draft legal documents with Generative AI, greatly reducing the time required for legal research and document preparation to just 3 minutes, thus improving litigation workflows
- Implemented sophisticated Retrieval-Augmented Generation (RAG) methodologies to minimize hallucinations and deliver accurate results
- Worked within an agile environment to deliver high-quality solutions, collaborating with cross-functional teams to ensure timely delivery

Queens College Learning Commons   **Queens, NY**
Computer Science Tutor   August 2023 - Present
- Tailored lesson plans to align with individualized study objectives for students, focusing on key areas in Computer Science
- Enhanced student confidence and understanding through dedicated Computer Science instruction, employing positive reinforcement techniques
- Developed educational materials, including handouts, guides, and assessments, contributing to a 20% increase in average student performance

DnR Events LLC   **Manhattan, NY**
Software Engineer Intern   February 2023 – June 2024
- Enhanced the iOS and Android DnRCast 2.0 app by introducing new features such as interactive games and dynamic app features
- Focused on app development and website development, primarily in C# and Xamarin Forms
- Designed and implemented engaging in-app games, achieving a significant 29% increase in user interaction and activity

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Code for All QC   **New York, NY**
Founder and President   December 2022 - Present
- Achieved remarkable growth for a tech-focused and diverse club, expanding its membership to over 1,400+ in less than a year of its creation
- Coordinated and hosted a series of technical workshops and networking events, connecting members with technical industry experts

Color Stack   **Virtual**
Member   November 2023 – Present
- Actively involved in peer-to-peer mentoring, both as a mentor and a mentee, to deepen knowledge of advanced Software Engineering concepts

PROJECTS

- **Bloomberg Stock Messenger** → Collaborated with Bloomberg engineers to design and implement a robust stock ticker message queue system using RabbitMQ, Docker, and Python, enhancing real-time data processing and communication between producer and consumer components. Developed a deeper understanding of core Python/CS concepts as well as financial domain knowledge: GitHub

- **DnR Sudoku Mobile Game** → Created an engaging Sudoku game for the DnRCast 2.0 app, utilizing Xamarin Forms and C#. Designed to entertain users while they listen to their favorite podcasts. This new addition to the app significantly boosted user engagement by 29%: GitHub

- **Movies4You** → Engineered a feature-rich movie review platform that allows users to read and submit movie reviews. Built using React for the frontend for a responsive user interface, and Java with Spring Boot on the backend to implement a RESTful API in order to facilitate secure data exchange between the front end and the database. A MongoDB database was implemented to store and manage user-generated content: GitHub

- **GreenIQ** → Constructed an interactive website for the DevFest '24 hackathon that engages users in an educational game with a focus on environmental awareness and conservation. Built using React.js, ensuring a user-friendly interface, and Firebase. Site GitHub Devpost

- **Queens College Grade Calculator** → Developed a Grade Calculator in Java for the Code for All Club at Queens College. This application enables club members to efficiently calculate their semester GPA in accordance with university grade standards. Leveraged packages such as javax.swing, java.awt, and java.util to build a user-friendly interface and functionality: GitHub

- **Computer Science Tutor Discord Bot** → Programmed a JavaScript-based Discord bot for Code for All. This enables members to request free tutoring sessions from board members through ticket submissions, providing 1,400+ members with support every day. Utilized the Discord.js library to seamlessly and efficiently integrate this feature into the club's Discord server, enhancing its interactive functionality: GitHub

CERTIFICATES/AWARDS

- Java Data Structures & Algorithms Udemy Course Certificate of Completion
- HackerRank Java Certification
- Presidential Scholars Award 2021 – 2023