

# Dilver Singh

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## EDUCATION

### Macaulay Honors College at Queens College

B.S. In Computer Science

New York, New York

Expected Graduation, Dec 2026

- o **GPA:** 3.75/4.00, *Dean's List*
- o **Related Coursework:** Object-Oriented Programming, Algorithmic Problem Solving, Discrete Math, Linear Algebra

## EXPERIENCE

### Headstarter AI

New York, New York

Software Engineering Fellow

July 2024 – Sep 2024

- Deployed 6+ full-stack AI applications and APIs utilizing cutting-edge technologies such as **NextJS, NodeJS, OpenAI, Pinecone, and StripeAPI**, sustaining a client base of **1000+ users**.
- Propelled a team of 4+ engineering fellows in developing high-performance projects through the SDLC, implementing MVC design patterns from design to production.
- Coached by Amazon, Bloomberg and Capital One engineers on **Agile, CI/CD, Git** and microservice patterns.

### Jupiter Leo Productions

New York, New York

Software Developer Intern

July 2024 – Aug 2024

- Architected a suite of 5+ interactive web-based games about finance using **JavaScript** and modern front-end frameworks, serving a distributed **user base of 5000+ students** across **20+ educational institutions**.
- Led a cross-functional development team, incorporating the software development lifecycle through sprints, focusing on algorithmic optimization of game logic by incorporating **object-oriented programming** principles.
- Leveraged OpenAI's DALL-E-3 to visualize detailed lesson plans and integrated text to speech accommodations, resulting in a **43% increase in user retention**, demonstrated by enhanced assessment performance.

### Rosanna Jewels

New York, New York

Web Developer Intern

February 2023 – April 2023

- Utilized **HTML/CSS** to engineer a website for a local startup, embedding Shopify customization tools to optimize e-commerce experience propelling a 91% increase in customer outreach.
- Spearheaded the creation of the shop section hosting over **85+ products** for customers to browse and purchase, generating a **24% surge in monthly revenue**.
- Streamlined an event management system, featuring updates for past and upcoming jewelry showcases. Integrated location data, scheduling information, and image galleries to improve user experience and facilitate event planning.

### Tech Incubator at Queens College

New York, New York

Web Developer Intern

July 2022 – August 2022

- Produced an application for Queens College that hosts **55+ clubs** with included details, events, and registration to drive student activity on campus.
- Conceptualized the frameworks of a campus navigation app leveraging **Javascript and PHP** to provide a 2-dimensional map interface for students that pipelines live location data to exhibit routes to classes or resources
- Incorporated **HTML & CSS** to create learning projects such as a news article website and personal webpage.

## PROJECTS

### BetrHealth | React, Next.js, MaterialUI, Gemini

July 2024 – September 2024

- An online kinesiology chatbot powered by the Gemini 1.5 API. Enter the specific problem you are encountering and our highly trained AI model will provide you with science based exercise and next steps to help you in your recovery.

### QueensLingo | Python

February 2024 – May 2024

- Language education program for users to learn 25 conversational and vital phrases in the 5 most spoken languages—Spanish, French, Cantonese, Hindi, and Arabic in Queens, NY. Program offers two learning options, allowing users to master a language in a slow progression and a free-for-all where users are allowed to determine their own learning path. Program tested and approved by five colleagues.

## SKILLS

**Programming:** Javascript, Python, C++, Java, HTML/CSS

**Tools:** Git, Agile, Firebase, Google Colab, Google Sheets