

# Prince Addo

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## EDUCATION

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### CUNY College of Staten Island

*Bachelor of Science in Computer Science, Minor in Mathematics*

New York, NY

Aug. 2021 – May 2024

## EXPERIENCE

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### Researcher

*CUNY College of Staten Island*

May 2024 – Jun. 2024

New York, NY

- Redesigned an existing application using wireframes and Figma.
- Architected the application to include an admin page.
- Built a "flowchart" based application using Next.js and Supabase.
- Tested React components using Jest.

### Software Engineer Intern

*Capital One*

Jun. 2023 – Aug. 2023

New York, NY

- Developed an severless enterprise web application that manages 50+ million customers.
- Built the UI design using UI modeling software and coded the UI using Svelte and Javascript.
- Supported the backend, which was built using Node.js, CassandraDB, Snowflake, and AWS Lambda functions.

### College Assistant & Tutor

*CUNY College of Staten Island*

Jul. 2022 – May 2024

New York, NY

- Assisted professors in improving class engagement in math and computer science classes with 20+ students.
- Tutored 100+ students at the CUNY College of Staten Island.

## PROJECTS

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**milestone.ai** | *Python, Flask, Jinja, SQLite, TailwindCSS, Redis, Langchain, Qdrant*

Mar. 2024 – May 2024

- Developed a full-stack web application using with Flask on the backend and Jinja + TailwindCSS on the frontend.
- Integrated Langchain to add LLM capabilities to the application and prompt engineered it.
- Used Redis to cache user messages and Qdrant VectorDB as the RAG vector database.

**hear2learn** | *Python, Flask, Taipy, Jinja, SQLite, TailwindCSS*

Mar. 2024

- Built a full-stack application that records the voice of a lecturer and translates it into study notes in.
- Built in 24 hours and won the education category at Drexel University DragonHacks 2024.

**dipole** | *C++*

Dec. 2022

- Built a Turing complete programming language interpreter using C++.
- Used low-level C APIs and system calls to speed up execution time.
- Built a custom recursive descent parser.

**Consumet** | *Hugo, Node.js, Typescript, Fastify, Cheerio, Git/Github*

Jun. 2022 – Jun. 2023

- Consumet is a search engine API that allows developers to query information on various entertainment mediums.
- Developed a library hosted on npmjs.com called @consumet/extensions for scraping data from various websites.
- Received 800+ stars on GitHub with a growing community of 100+ discord members.

**AnimeLazerV3** | *React Native, Javascript, Node.js, Express, Cheerio*

Feb. 2022 – Jun. 2022

- Built a full stack, cross-platform mobile app that allows users to watch any anime uninterrupted(no-ads).
- Received 7 stars on GitHub.

## TECHNICAL SKILLS

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**Languages:** C/C++, Javascript, HTML/CSS, SCSS, Typescript, Java, Python, Dart, Kotlin, HTMX, TailwindCSS

**Frameworks:** React, Svelte, Node.js, Express, Spring, React Native, Next.js, Flask, Tensorflow

**Databases:** MySQL, MongoDB, PostgreSQL, Cassandra, Qdrant, Milvus

**Developer Tools:** Git/Github, Docker, AWS, VS Code, Bash, Android Studio

## ASSOCIATIONS AND CERTIFICATIONS

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**Associations:** Varrazzano Honors, CUNY Tech Prep, Former President of the CSI Computer Science Club

**Certifications:** AWS Certified Cloud Practitioner