**EDUCATION**

**Northeastern University |** *Boston, MA*  **Sep 2024 – Present**

Candidate for *Bachelor of Science in Computer Science and Biology* GPA: 4.0/4.0

* Relevant Coursework: *Database Design | Fundamentals of Computer Science 1 & 2 | Discrete Structures*

**Boston University |** *Boston, MA*  **Sep 2022 – May 2024**

*Dual Enrollment* GPA: 4.0/4.0

* Relevant Coursework: *Intro to Computer Science 1 & 2 | Linear Algebra | Cell Biology | Genetics*

**TECHNICAL SKILLS**

* **Languages:** Python, Java, SQL, TypeScript, R, C, HTML, CSS
* **Frameworks & Libraries:** React, Next.js, Flask, Pandas, NumPy, Tailwind CSS, Drizzle ORM,
* **Tools & Technologies:** Git, GitHub Actions, Postman, Jupyter Notebooks, AWS (Athena & S3), MySQL, PostgreSQL, Docker, Vercel, RStudio, LaTeX

**EXPERIENCE**

**Software Developer |***Sandbox Software Consultancy* **Jan 2025 – Present**

* Developed key features in Cooper, a platform that enables **10,000**+Northeastern students to view and submit reviews for co-op roles using the **T3 tech stack**
* Designed and implemented **PostgreSQL** schemas for role and company requests using a **Drizzle ORM** with **TypeScript** and **Zod** for validation, allowing users to request additional roles and companies
* Redesigned a suite of mobile-responsive **React** UI components using **TypeScript** and **Tailwind CSS** to ensure full functionality on all devices
* Collaborate in a team of developers and designers while utilizing weekly standups, code reviews, and a ticket board

**Data Analyst |***MedTech Analytics* **Jul 2024 – Present**

* Built a **Python** data pipeline with **AWS Athena** and **S3** integration to ingest **50M+** data points at a time, automating DDL generation and execution for large-scale analysis of Duchenne muscular dystrophy (DMD)
* Developed **Presto SQL** queries to analyze **150M+** unique healthcare data points, identifying symptom patterns and flagging **1,000+** misdiagnoses of Lambert-Eaton Myasthenic Syndrome (LEMS)
* Met biweekly with a team of medical professionals to present findings to a non-technical audience and refine analyses using medicine-driven reasoning

**Research Assistant |***National Institutes of Health* **May 2023 – Aug 2023**

* Conducted an independent research project applying molecular fingerprinting algorithms and training regression models on **1,600+** drugs to predict half-lives from molecular structures using **Python**, **Pandas**, **NumPy**, and **Jupyter Notebooks**
* Communicated complex findings by writing a **5,000**-word thesis and presenting to an audience of **300+** while utilizing data visualization libraries such as **Matplotlib**

**PROJECTS**

**Consensus |** *Python, MySQL, Flask, Docker, Streamlit, CSS, Scikit-learn, TensorFlow***May 2025 – Jun 2025**

* Built a full-stack social media application centered around economic policy proposals and utilizing regression models and deep neural networks (DNNs) that allowed users to back their posts with real data and predictions
* Implemented **20 RESTful API** endpoints using **Flask** and **MySQL**, supporting complex user interactions and custom predictions from integrated machine learning models
* Created **85%** of the app’s pages with **Streamlit** and **CSS**, ensuring a cohesive theme and user-friendly experience
* Designed the entire relational database schema and generated it through DDL scripts in **MySQL** and **Mockaroo**
* Led team product planning by generating user personas, wireframing pages, and presenting a 20-minute project demo

**PlaNUr |** *JavaScript, React, Python***Sep 2024 – Dec 2024**

* Developed a web app that allowed users to search for detailed information about a requested Northeastern class and compare classes using the Banner and Rate my Professor API
* Integrated the Rate my Professor API using **Python**, ensuring users could see in-depth data about professors