

EDUCATION

Boston College, Morrissey College of Arts and Sciences

Bachelor of Science in Computer Science

Overall GPA: 3.76

Chestnut Hill, MA

May 2025

- Software Engineering, Computer Systems, Algorithms, Linear Algebra, Data Visualization, Multivariable Calculus

WORK EXPERIENCE

Optum (United Health Group)

Software Engineering Intern

Basking Ridge, NJ

June 2024 – August 2024

- Improved data processing pipeline by converting from Databricks Notebooks to modularized jar files and preventing re-loading of dependencies and datasets throughout end-to-end flow, **reducing delivery time to client by 60%**

- Recognized as a **Standout Summer Intern**

Software Engineering Intern

June 2023 – August 2023

- Built a site feature using React for the cybersecurity department to integrate LLMs for easier graph database traversal

- Recognized as a **Standout Summer Intern**

Rock Gymnastics

Web Development and IT Contractor

Remote

November 2021 – Present

- Improved competition scoring process by automating gymnast placement by level, event, and progress since previous competitions

- Developed Django site to interface with scoring algorithm via Excel file uploads

- Resolves technical issues encountered by business in day-to-day activities

Fenugreek Tech

IT Researcher and Developer

Rockville, MD

February 2023 – May 2024

- Developed and tuned financial forecasting model with >70% performance accuracy in backtesting simulations

- Designed and implemented user dashboard with additional data visualizations to support user understanding of incoming data for the model, as well as outputs

- Performed thorough market research to keep the company at the forefront of technological advancements

PROJECTS

Data Visualization Study under Dr. Nam Wook Kim

January 2024 – May 2024

- Created interactive, reusable charting components to build a dashboard for a variety of datasets and use cases

- Built a web-based sample dashboard using React and D3 for styling, connecting components, and animation

Boston College Student Planning App

January 2024 – May 2024

- Designed and deployed Django application to assist in the creation of a student's four-year coursework plan

- Implemented Agile development principles to ensure developments aligned with user stories and frequent quality assurance

- Communicated with team members to form effective sprint planning and support rapid incremental delivery for testing

- Integrated API to filter planning requirements by major and support course catalog search

Campus Involvement

Start @ Shea

September 2023 – Present

- Awarded **3rd place** in campus Elevator Pitch competition for project in Google Chrome deepfake detection plugin

- Network with industry leaders, startup CEOs, and fellow students to gain insight into the intersection of technological development and business

SKILLS

Computer: Python, Java, Javascript, HTML, CSS, C, MATLAB, Esri ArcGIS, SQL, Apache Spark, Scala, Databricks, React, Django, MongoDB, AWS Sagemaker and Aurora, Figma

Version Control and Management: GitHub, Rally, Agile, Waterfall

Language: Spanish (Intermediate)

Research: Statistical Analysis, Matplotlib, Pandas, Seaborn, Excel