

JULIA WEPPLER

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EDUCATION

Boston College, Morrissey College of Arts and Sciences

Chestnut Hill, MA

Bachelor of Science in Computer Science

May 2025

Overall GPA: 3.786

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

WORK EXPERIENCE

Boston College

Chestnut Hill, MA

Software Engineering Teaching Assistant

August 2024 – Present

- Ensure deliveries are met and help plan sprints for project development within assigned student groups
- Assist in technical debugging, interface design, and testing for students
- Facilitate student-professor interactions by sending emails, clarifying software engineering principles and methodologies covered in class, and assisting in grading

Optum (United Health Group)

Basking Ridge, NJ

Software Engineering Intern

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%**

- Assisted QA team in validating dashboard data to meet tight deadlines with client

- 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**

Fenugreek Tech

Rockville, MD

IT Researcher and Developer

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

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

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

Language: Spanish (Intermediate)

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