Sean Donovan

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# EDUCATION

## University of Pennsylvania Philadelphia, PA

*Bachelor of Computer and Information Science May 2027*

**o Concentrations:** Artificial Intelligence

**o GPA:** 3.33/4.00

o **Related Coursework:** Programming Principles in Java, Objects & Design, Object-Oriented Programming, Harvard CS50 Introduction to Programming

# EXPERIENCE

## Fife-STEM Penn CS Academy Philadelphia, PA

*Coding Instructor Sep 2023 – Present*

* Organize Python programming training for 30+ students, alongside 20+ engineering undergraduate and graduate students across 3 schools in West Philadelphia.
* Develop a comprehensive curriculum that integrated innovative teaching strategies and hands-on projects through collaborative curriculum development with my co-instructors.
* Foster an inclusive and dynamic learning environment to foster equitable access to tech knowledge for underrepresented minorities in West Philadelphia.
* Hold regular student well-being check-ins for the diverse student body.

## KaziPlus.com Nairobi, Kenya

*Software Development Engineering Intern May 2023 – Aug 2023*

* Revamped company website’s UI/UX with custom JavaScript and CSS, enhancing data display and accessibility about open internships for students in Computer Science.
* Initiated and led the 'Internship Daily Log Initiative' to enhance the learning experience of fellow interns by promoting daily documentation of acquired skills and knowledge

# PROJECTS

## Afrizo AI Boston, MA

*Lead Developer Dec 2023 – Present*

* Spearheading a 1-month initiative in the development of a custom AI application designed to optimize organizational flow, expedite scholar integration, and augment support for Afrizo College Consulting's counseling team.
* Facilitated a 90% faster scholar integration process through AI-driven automation, significantly outpacing previous benchmarks.
* Enhancing the counselling team’s capacity by 50%, enabling them to handle the entire cohort’s 3-week pre-advising consultations using tailored-.
* Integration of AirTable, Open AI Assistants, and ManyChat API’s to build 3 fully-fledged 24-hr support systems for prospective clients, college consultants and organizational teams, improving communication efficiency by 70%.
* Implementing feedback mechanisms to ensure client and consultants satisfaction.
* Pioneering the training of AI models to interpret user input, predict behavior, and deliver personalized solutions leveraging existing organizational data, enhancing decision-making and operational efficiency.

**Key Achievements:**

Successfully integrated AI technology to enhance team functionality and productivity surpassing organizational predictions.

Experience leading a diverse team of developers in a dynamic, fast-paced environment, driving project completion and achieving organizational objectives.

## Harvard CS50 Live Stock Trading App Nairobi, Kenya

*Lead Developer Jan 2023 – March 2023*

* Developed and launched a robust live stock trading application utilizing the IEX Apparate Cloud Data API to fetch live stock data. Handled over 100 stock transactions with 100% accuracy and reliability.
* Engineered intuitive and visually appealing user interfaces, significantly enhancing user experience and retention through seamless interaction and design.

## Obsidian Bank Nairobi, Kenya

*Lead Developer Jan 2023*

* Developed "Obsidian," a responsive web-based banking app featuring a sleek black and gold theme, designed for a premium, user-centric experience with live stock market data, fast secure transactions, and numerous personalized features.
* Integrated API technology to fetch real-time stock data, ensuring dynamic and up-to-date financial information, focusing on a seamless, fast, and visually appealing user interface for an elevated banking user experience.

**Key Achievements**

Successfully delivered a mobile banking solution with a distinctive brand identity through strategic color choices and design, enhancing user engagement and brand recognition.

Innovated a comprehensive suite of features, including personalized greetings, secured loan applications, and real-time stock trading, significantly enhancing user convenience and financial management capabilities.

# ACTIVITIES AND LEADERSHIP

## University of Pennsylvania Department of Computer and Information Science Philadelphia, PA

*Teaching Assistant for CIS 1100 (Introduction to Computer Programming in Java) Jan 2024 – Present*

* Holding weekly session on fundamental concepts in Java Programming Language.

## PennWave Dance Club Philadelphia, PA

*Costume Director Sep 2023 – Current*

* Tailor costumes for 30+ members, hosted dance events, managed a board of executives and performed at shows on campus.

# SKILLS

**Programming:** Java, Python, JavaScript, React, HTML/CSS, SQL, C++, C, OCaml

**Tools:** Git, Bootstrap, Agile, Kanban Methodology

# CERTIFICATIONS

**Code Path Web 102 Intermediate Web Development in React**

Feb 2024 – Present.

**Introduction to Computer Science** (C, Python, Flask, HTML, CSS, Javascript) | **Harvard University**

*Mar, 2023 - Apr, 2023*

## Introduction to SQL Databases | Sololearn

*Apr, 2023 - May, 2023*

## Introduction to JavaScript | Sololearn

*Nov, 2023 - Dec 2023*