

Devin Diaz

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EDUCATION

Framingham State University

Bachelor of Science, Computer Science | Minor: Artificial Intelligence

GPA: 3.96 | Academic Honors: Presidents List x4

Framingham, MA

May 2026

PROJECTS

Blue Lock Player Database | ReactJS, Spring Boot, Python, PostgreSQL

- Deployed a full-stack web app for a community of over 200 members, actively seeking feedback for user satisfaction.
- Engineered data scraping of more than 100 players using Python and Pandas, dynamically presented data via Spring Boot.
- Designed PostgreSQL database with efficient SQL queries that seamlessly integrated with a ReactJS interface.
- Implemented REST APIs to facilitate efficient data communication between the frontend and backend.

Excel Data Visualizer | Microsoft Excel, Python

- Developed GUI application with Tkinter for quick essential chart visualization of user-input numerical and categorical data.
- Leveraged Matplotlib, NumPy, Pandas, and Seaborn to tackle data analysis challenges, achieving efficient data manipulation.
- Constructed functionality for saving and loading data to and from Excel files, enhancing data management capabilities.

Python For Beginners | Google Colab, Python, Jupyter Notebook

- Identified the need for an applied learning resource for beginners based on my self-education experience.
- Initiated an open-source project with contributions from multiple collaborators.
- Gained direct experience in open-source contribution, project management, and team recruiting for future roles.

Shell Command Parser | Java, Unix

- Formulated Java program to parse and extract relevant command inputs from verbose Unix shell logs.
- Improved the accuracy and speed of feedback for students' operating system assignments, streamlining the grading process.

EXPERIENCE

SIMCO Electronics

Calibration Technician

Billerica, MA

June 2024 – Present

- Applied critical thinking skills to resolve complex calibration issues, significantly enhancing overall quality assurance.
- Calibrated high volume of multi-type pipettes for various healthcare companies ensuring exceptional accuracy and reliability.

Framingham State University

Educational Textbook Developer

Framingham MA

February 2024 – June 2024

- Contributed to an interactive textbook utilized by more than 150 students each semester on climate change by leveraging Python and XML for data processing and presentation.
- Conducted weekly meetings with faculty advisor to check for updates and ensure alignment with educational goals.

Teacher Assistant, Discrete Mathematics

January 2024 – May 2024

- Organized and conducted weekly study sessions fostering a collaborative and inclusive learning environment.
- Utilized personalized teaching strategies to cater to diverse learning styles, leading to a 15 percent improvement in student comprehension and performance.

Java Programming Tutor

January 2023 – January 2024

- Tracked peers' progress and adjusted teaching methods, significantly enhancing academic performance by 20 percent.
- Implemented growth through fundamental OOP concepts, fostering a deeper understanding in Java programming.

TECHNICAL SKILLS

Frameworks & Libraries: PyTorch, ReactJS, ROS 2, Spring Boot

Languages & Tools: Bash, Git, HTML/CSS, Java, JavaScript, Postman, Python

Databases & OS: Linux, MySQL, PostgreSQL, Unix, Windows