Devin Vinicio Diaz

Watertown, MA, 02472 | diazdevin7@outlook.com | (857)-316-8852
GitHub: https://github.com/Devin-Diaz | LinkedIn: https://www.linkedin.com/in/diazdevin/

EDUCATION

Framingham State University, Framingham, MA   May 2026
Candidate for Bachelor of Science, Computer-Science | Minor: Artificial Intelligence
Cumulative GPA: 3.92 | **Major GPA:** 4.0 | **Academic Honors**: President's List x3 (Fall 2022, Spring 2023, Fall 2023)

RELEVANT COURSEWORK

Computer Science I & II Using Java | Data Structures & Analysis Of Algorithms
- Emphasis on implementation of data structures and algorithm design in modern day software and applications
- In depth experience in Java programming with a focus on object-oriented programming principles, and JavaFX GUI

PROGRAMMING / COMPUTER SKILLS

- **Languages/Scripts:** Java, JavaScript, C, Python, Bash Scripting, PreTeXt, HTML / CSS, Thymeleaf
- **Frameworks / Databases:** Spring Boot, Maven, MySQL
- **Platforms:** Linux, Unix, Windows, macOS, (Git, GitHub)
- **Hardware:** Arduino, Assembling and configuring desktop computers

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RELEVANT EXPERIENCE

Research & Educational Software Developer, Framingham State University   February 2024 – Present
- Contributing to an interactive textbook on climate change using Python scripts and PreTeXt markup language
- Utilize data abstraction techniques to present complex environmental data in a visually intuitive manner format to facilitate student understanding and reduce learning complexity
- Working with environmental science experts to ensure accurate and effective translation of scientific concepts into software

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LEADERSHIP EXPERIENCE

Supplemental Instructor, Discrete Mathematics, Framingham State University   January 2024 – Present
- Organizing and conducting weekly study sessions fostering a collaborative and inclusive learning environment
- Bridge the gap between discrete math and computer science elucidating application of induction for algorithm analysis
- Utilize personalized teaching strategies to cater to diverse learning styles, resulting in improved comprehension in subjects

Captain, Competitive Programming Team, Framingham State University   October 2023 – Present
- Led a team of programmers in competitive events while fostering collaboration and skilled analytical thinking
- Conduct interactive problem-solving sessions, utilizing a whiteboard to demonstrate complex programming challenges
- Refine my ability to verbalize intricate coding methodologies, enhancing the team's mutual comprehension fostering a more effective exchange of ideas

Computer Science Tutor, Framingham State University   January 2023 – February 2024
- Track peers' progress and adjusted teaching methods accordingly, while improving academic performance by ~10%
- Cultivate critical knowledge of programming concepts by organizing and moderating Java programming tutoring sessions
- Implement development growth through data structures and algorithms problems for technical interview preparation

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PROGRAMMING PROJECTS

Python For Beginners (Python)
- Initiate and manage an open-source project aimed at teaching Python, with contributions from multiple collaborators, employing custom Bash scripts to streamline Git workflow boosting productivity
- Translate Java concepts into Python through comprehensive exercises and explanations, enhancing Python proficiency
- Gaining direct experience with open-source contribution and project management, preparing for future software roles

Expense Tracker Application (Spring Boot, Thymeleaf, MySQL)
- Developed full stack CRUD web application enabling users to track and manage monthly financial transactions
- Experience in MVC software architecture pattern, dependency management, UI/UX design, and database management

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WORK EXPERIENCE

Technology Consultant, Target Corporation, Watertown, MA   June 2023 – Present
- Demonstrate exceptional customer service by assisting customers in selecting the right technology products, answering inquiries, and ensuring a positive shopping experience
- Maintain up-to-date knowledge on the latest technology trends and product releases, enabling informed product recommendations, and enhancing department sales

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LANGUAGES

- **Bilingual***: English, Spanish