Milton Vento

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EDUCATION

Williams College   Williamstown, MA
Bachelor of Arts in Computer Science   ***Expected: Jun 2026***
Relevant Coursework: Deep Learning, Algorithms, Data Structures & Advanced Programming, Computer Architecture, Discrete Math, Data Science & Computing, Multivariable Calculus, Linear Algebra, Probability
Honors & Awards: Dean's List

Acquintum Institude of Technology (Study Abroad: Fall 2024)   Budapest, Hungary
Relevant Coursework: Theory of Computation, Mobile Development, UX Design, Scalable Systems, Data Science, Innovation and Entrepreneurship

SKILLS & CERTIFICATIONS

Languages: Python | JavaScript | TypeScript | Node | Java | Swift | Kotlin | HTML | CSS | Linux | Visual Basic | R | C
Frameworks & Technologies: React | Django | Express.js | Firebase | Postgres | Bootstrap | Microsoft Azure | Git | Pytorch | CUDA
Certifications and Awards: **CodePath** Advanced Data Structures and Algorithms | **CodePath** Intermediate Web Development
Achievements: **Microsoft Certified: Azure Fundamentals** | 3rd Position **Purdue Data 4 Good** National Case Competition

WORK EXPERIENCE

Full Stack Software Engineering Intern | ENSCO Rail   ***Jun 2024 - Aug 2024***
- Reduced loading time of an internal web application by 50% through transforming it from HTML and Python to React and TypeScript.
- Developed advanced data visualization tools using Visx and Plotly.js, enhancing efficiency in analyzing and interpreting large, real-time sensor data by 90%.

Software Engineering Intern | KLEAR Inc   ***Jan 2024 - Feb 2024***
- Designed and prototyped a scalable card payments infrastructure for KLEAR's flagship product using Python and Stripe's API, projected to handle 5+ million in annual volume.
- Developed an approved compliance plan for KLEAR's existing customers, based on thorough research of leading financial platforms.

Computer Science Teaching Assistant | Williams College   ***Sep 2023 - May 2024***
- Helped 50+ students enrolled in Introductory Python Course (CSCI 134) by conducting weekly lab sessions and mentorship
- Quickly identified problem spots and logical flaws in 50+ student programs and encouraged appropriate solutions.

PROJECTS

Deep Learning Aimbot Using YoLO Model | Pytorch, CNN, CUDA GPU, YoLO Model | Github   ***Feb 2024 - May 2024***
- Developed and trained a YoLO-based object detection model with about 200 labeled images, achieving 78% accuracy in detecting enemy soldiers in Call of Duty 2 video game.
- Optimized model performance through confusion matrix analysis and hyperparameter tuning, leveraging CUDA GPU acceleration to enhance training speed and efficiency.

FlavorFinder | React, Express, Firebase, ChatGPT AI API | Github   ***June 2024***
- Collaborated with a team of 5 to develop a recipe app with a React frontend and Express.js backend, utilizing the Edamam API for data retrieval and Firebase for database and authentication.
- Developed a chatbot using the OpenAI ChatGPT API, potentially enhancing user support and engagement by 40%.

Conference Rooms Booking System | Project Manager | React, Django | Github   ***2023 - 2024***
- Reduced over 50% customer back-and-forth calls and visits by developing and deploying a full-stack online room booking system for a conference center using React.js and the Django REST framework.
- Led a team of 8 as the Project Manager, ensuring timely completion of several features such as automated emails, Google Calendar integration, catering, and automatic PDF generation**.**

LEADERSHIP & COMMUNITY ENGAGEMENT

ColorStack at Williams Chapter founding Co-President | EphBytes Programs Manager | 2023 International Orientation Leader