

Milton Vento

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EDUCATION

Williams College

Williamstown, MA

Bachelor of Arts in Computer Science | GPA: 3.83

Expected: Jun 2026

Relevant Coursework: Data Structures and Advanced Algorithms, Computer Organization (in progress), Discrete Maths (in progress), Understanding Data Through Computation, Multivariable Calculus, Statistics and Data Analysis

Honors and Awards: Dean's List

SKILLS & CERTIFICATIONS

Languages: Python | JavaScript | Java | HTML | CSS | Visual Basic | R

Frameworks and Technologies: React | Django | Postgres | Git | Android Studio | Fusion360 | Agisoft Metashape

Certifications: [CodePath](#) Intermediate Web Development, [CodePath](#) Advanced Data Structures and Algorithms

WORK EXPERIENCE

Project manager and full stack developer | CSE (Co-founded startup)

01/2023 - Present

- Led a cross-functional team of 8 in the design and development of a React-based frontend and Django-powered backend booking system for a Zimbabwean company
- Designed and implemented React components, HTML/CSS layouts, and integrated real-time data retrieval via API requests
- Leveraged Django to architect robust data models, handle HTTP requests, and ensure data integrity

Makerspace Summer Intern | Williams College

06/2023 - Present

- Optimized Makerspace workflows by 1000% (from 3 months to 1 week) through research and comparative analysis of photogrammetry and 3D modeling procedures
- Devised and documented an automated photogrammetry process using IR camera and turntable, reducing photogrammetry time by over 50%
- Leveraged knowledge: Agisoft Metashape, HP 3D Scanner, MeshMixer, and Fusion360, WordPress

PROJECTS

Makomborero Offline Education App | Html, CSS, Android Studio, Cordova Ionic Framework, Flutter

2021, Present

- Utilized Html, CSS and the Cordova Ionic platform to develop an android educational app, empowering 55+ high school students with offline access to crucial learning resources amid the Covid-19 pandemic period
- Integrated Cordova file storage and pdf viewer plugin, allowing offline access to over 1,500 notes and worksheets pdf
- Enhancing the app using Flutter for cross-platform capability, consistent UI, and increased efficiency

Williamstown Air Quality Dashboard | React, Postgres, Javascript, Html, CSS

Fall 2023

- Employed React and Javascript to develop a dynamic full stack web app that utilized a weather API to showcase real-time Williamstown air quality trends over the past 48 hours.
- Used Recharts to integrate informative charts offering insights into different air quality variables, while allowing users to switch between visualizations for enhanced exploration.

World Happiness Scores | Python3, Numpy, Pandas, Seaborn

Fall 2023

- Collaborated with a team of two to analyze the impact of factors like GDP, life expectancy, and generosity on countries' happiness based on real-world data
- Utilized Numpy and Pandas Python libraries and statistical inference techniques (data wrangling, bootstrapping, and visualization) on the data and came up with evidenced-based insights for policymakers

LEADERSHIP & COMMUNITY ENGAGEMENT

Williams Colorstack Co-President | Robotics Club Board Member, Web Designer | 2023 International Orientation Leader