

# Milton Vento

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## EDUCATION

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### Williams College

Williamstown, MA

**Bachelor of Arts in Computer Science | GPA: 3.83**

**Expected: Jun 2026**

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

**Honors and Awards:** Dean's List

## SKILLS & CERTIFICATIONS

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

**Frameworks and Technologies:** React | Django | Postgres | Git | Bootstrap | Android Studio | Fusion360 |

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

## WORK EXPERIENCE

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### Co-Founder, Project Manager | CSE Technologies

**Jan 2023 - Present**

- Led a diverse team of 8 in the design and development of a React-based frontend and Django-powered backend booking system for a Zimbabwean company
- Implemented the front end using React components and 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

### Computer Science Teaching Assistant | Williams College

**Sep 2023 - Present**

- Provided programming and debugging support to 50+ students during lab sessions
- Conducted drop-in Office Hours and graded labs, providing constructive feedback to enhance understanding

### Makerspace Summer Intern | Williams College

**Jun 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%

## PROJECTS

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### World Happiness Scores | Python3, Numpy, Pandas, Seaborn

**Fall 2023**

- Utilized Numpy and Pandas Python libraries and statistical inference techniques (data wrangling, bootstrapping, and visualization) to analyze the impact of GDP, life expectancy, and generosity on happiness

### AirWatch Williamstown | 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.

### EduAccess Mobile 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
- Enhancing the app using Flutter for cross-platform capability, consistent UI, and increased efficiency

## LEADERSHIP & COMMUNITY ENGAGEMENT

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