

Benedict Nematadzira

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EDUCATION

Carnegie Mellon University, Pittsburgh, United States
Bachelor of Science in Information Systems | May 2028
GPA 3.14

Westfield High School, Westfield, New Jersey
Secondary Education | June 2024
GPA 3.84

OBJECTIVE

I am Information Systems student at Carnegie Mellon University with a passion for developing user-friendly solutions. Seeking opportunities to apply core Information Systems skills to innovative and lead data-driven projects.

RELEVANT COURSEWORK

Fundamentals of Programming and Computer Science	The Information Systems Milieux
Principles of Imperative Computation	Reasoning with Data

PROJECT EXPERIENCE

EduTrack: Notification App April 2023 - June 2024

- Website building, developed front end design using Swift and Python to notify student users when grades change
- Managed Edutrack social media account and marketing. Gained 50+ followers on Instagram and 300+ downloads

Researcher with Horizon Inspires: Stat Machine Learning Research August 2023

- Utilized Python code on data leveraging using machine learning techniques to devise research project on diabetes
- Accessed data from kaggle to make a model to determine if it someone had diabetes, and whether it was type 1 or type 2 with 80% success rate
- Learned how to use module layering to build an algorithmic model on 13 statistics about health risks concerning diabetes

Football Manager 112 : 15-112 Term Project Python and CMU Graphics Coding Game December 2024

- Coded over 2500 lines of Python code to implement a retro-style 2D soccer game with 6 teams and a postseason
- Designed and animated 10+ unique player sprites with smooth gameplay at 60 steps per second
- Built 15+ gameplay mechanics, including team tactics, player attributes, season progression, and a transfer window.
- Implemented programmed opponents to counter player tactics with a library of over 5 pre-set strategies

SKILLS

Programming Languages/Web Languages: Python, Java, iOS Swift, Java Script, HTML, CSS, Machine Learning, C

LEADERSHIP EXPERIENCE

President, E-Tower House Council | August 2024 - Present

- Manage \$1500 fund to plan events for door building and devised 250+ merchandise using funding and raised \$750 in return. Planned and organized 8 building events for E-tower residents

Treasurer, Westfield Robotics | September 2021 - June 2024

- Fundraised \$500 dollars and helped develop club members' skills in brainstorming and bot building. Secured win in 2nd Place Best Design Award in Northeast Edge League Tournament

VOLUNTEER EXPERIENCE

Cause Coordinator, Coding With a Cause | September 2021 - June 2024

- Organized and designed coding lessons for 6 volunteer opportunities for outreaches to schools, libraries, and YMCA