

Dylan Jude Bautista

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EDUCATION

University of Illinois at Urbana Champaign

Dec 2024

BS Computer Engineering, James Scholar, GPA: 3.57

Champaign, IL

- Relevant Coursework Data Structures, Computer Systems and Programming, Digital Signal Processing, Quantum Physics
- In Progress: Control Systems, Topics in IoT

Academy of Mathematics, Science, and Engineering

Sep 2017-Jun 2021

High School Diploma, GPA: 4.0

Rockaway, NJ

- Top 20 Ranked Student
 - Ranked within top 20 in the class of 2021 among Morris Hills High School, Morris Knolls High School, and the Academy of Math, Science, and Engineering combined
- AP Scholar Award with Distinction

June 2021

Morris Hills Regional District

July 2019

WORK EXPERIENCE

CodeWizardsHQ

March 2022- Feb 2023

Coding Instructor

Champaign, IL

- Lead class activities for over 30 students in a variety of coding languages, including JavaScript, Python, SQL, HTML, and Scratch to students ages 18-8
- Empowered students to succeed at coding challenges by debugging assignments and coordinating with lead instructors

US Army CCDC, Picatinny Arsenal

Jan 2021 – June 2021

Computer Science Intern

Wharton, NJ

- Completed over 50 approved internship hours alongside Precision Armaments and Intelligent Sensors Division involving Arduino microcontroller coding and Bluetooth GATT protocol
- Utilized Python to parse raw sensor data for graphical analysis through wireless platforms
- Collaborated with navigation branch mentor to provide contextual research for future sleep study and flex sensor paper

Education for Equity

Dec 2020 – April 2021

Coding Instructor

Rockaway, NJ

- Instructed class of 14 middle school students on coding principles both one-on-one and in group discussion
- Demonstrated block-coding's relations to Java concepts and future computer science careers

EXTRACURRICULARS/LEADERSHIP

Course Assistant, CS 101

Sep 2023

- Leading university laboratory section activities and clarify computing content.

Engineering RSO's

Sep 2021 – June 2022

- Designed schematics, 3D modeled electrical components, assembled circuitry for UIUC Combat Robotics team
- Integrated GPS module embedded system in Illini EV Concept vehicle

Projects

May 2023

- Tetris FPGA graphical implementation using SOC design and C++ software
- MMA prediction web application utilizes neural network to formulate and compare judging decisions using scraped online data; developed using Python, JavaScript, and Flask
- Portfolio website built from HTML, CSS, with PHP contact form construction

Club Fencing

Sep 2021

Secretary, Founding member of Illini Fencing Club

SKILLS

- **Programming Languages:** Proficient: Python, C++, HTML/CSS Familiar With: Java, JavaScript
- **Engineering Tools:** System Verilog, SolidWorks, MATLAB, AutoCAD, Git, Circuitry, Microcontrollers, FPGAs, Machining, 3D Printing, Microsoft Office Suite