

Dylan Jude Bautista

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EDUCATION

University of Illinois at Urbana Champaign

Dec 2024

BS Computer Engineering, James Scholar

Champaign, IL

- Relevant Coursework: Intro to Computing, Comp Systems and Programming, Lin Algebra with Computational Appl

Academy of Mathematics, Science, and Engineering

Sep 2017-Jun 2021

High School Diploma, GPA: 4.0

Rockaway, NJ

- Top 20 Ranked Student June 2021
 - 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 *Morris Hills Regional District*
- Science, Math, Technology, Spanish Honor Societies April 2021
 - Entrance into National Science Honor Society, Mu Alpha Theta, National Technology Honor Society, and Sociedad Hispánica *Morris Hills High School*
- AP Scholar Award with Distinction July 2019
 - Received an average score of at least 3.5 on all AP Exams taken, and scores of 3 or higher on five or more exams *College Board*

WORK EXPERIENCE

CodeWizardsHQ

March 2022

Coding Instructor

Champaign, IL

- Will lead class activities in a variety of coding languages, including Scratch, HTML/CSS, and Python, to students ages 8-18

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 – May 2021

Coding Instructor

Rockaway, NJ

- Instructed class of 14 fourth graders to learn coding principles in a virtual classroom both one-on-one and in group discussion
- Created lesson plans, online interactive materials, and supplied parental feedback
- Demonstrated block-coding's relations to java concepts and future computer science careers

EXTRACURRICULARS

Engineering RSO's

2021-2022

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

Club and Varsity Fencing

2017 –2022

Secretary, Founding member of Illini Fencing Club

- Competed on district and regional scene as three-year varsity athlete at Morris Hills High School
- Assisted set up of equipment, participated in classes at Forte fencing club and currently Point Fencing Club

SKILLS

- **Programming Languages:** Proficient: Java, HTML/CSS, JavaScript Familiar With: Python, C
- **Engineering Tools:** SolidWorks, AutoCAD, OnShape, Git, Circuitry, Microcontrollers, Machining, 3D Printing, Laser cutting, Microsoft Office Suite