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 Tech Honor Society, Sociedad Hispánica — *Morris Hills High School*

- Excelsior Medallion — **March 2021**
  - Achieved an overall average of over 93.0 for 4 consecutive years — *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

US Army CCDC, Picatinny Arsenal — Nov 2020 – August 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
- Integrated GPS module embedded system in Illini EV Concept vehicle
- Designed schematics and 3D modeled electrical components for UIUC Combat Robotics team

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 and 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