Dylan Jude Bautista

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EDUCATION

University of Illinois at Urbana Champaign <div align="right">**Dec 2024**</div>
BS Computer Engineering, James Scholar, GPA: 3.57 <div align="right">*Champaign, IL*</div>
- Relevant Coursework: Data Structures, Computer Systems and Programming, Digital Signal Processing, Quantum Physics Control Systems, Distributed Systems, Topics in IoT, Astrophysics

Academy of Mathematics, Science, and Engineering <div align="right">**Sep 2017-Jun 2021**</div>
High School Diploma, GPA: 4.0 <div align="right">*Rockaway, NJ*</div>
- Top 20 Ranked Student among Morris Hills High School, Morris Knolls High School, and the Academy of Math, Science, and Engineering combined <div align="right">*Morris Hills Regional District*</div>

WORK EXPERIENCE

BAE Systems, Space and Mission Systems <div align="right">**June 2024- August 2024**</div>
Incoming Software Engineer Intern <div align="right">*Broomfield, CO*</div>

CodeWizardsHQ <div align="right">**March 2022- Feb 2023**</div>
Coding Instructor <div align="right">*Champaign, IL*</div>
- 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 <div align="right">**Jan 2021 – June 2021**</div>
Computer Science Intern <div align="right">*Wharton, NJ*</div>
- Interfaced with Arduino microcontroller coding and Bluetooth GATT protocol alongside Precision Armaments and Intelligent Sensors Division
- 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 <div align="right">**Dec 2020 – April 2021**</div>
Coding Instructor <div align="right">*Rockaway, NJ*</div>
- 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 <div align="right">**Sep 2023**</div>
- Lead university laboratory section activities and clarified Python computing content.

Projects <div align="right">**Dec 2023**</div>
- Radar Respiratory Monitoring System using range-doppler profile from raw ADC data
- 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

Club Fencing <div align="right">**Sep 2021**</div>
Secretary, Founding member of Illini Fencing Club

SKILLS

- **Programming Languages:**   Proficient: Python, C++, HTML/CSS   Familiar With: Java, x86, JavaScript
- **Engineering Tools:**   System Verilog, SolidWorks, MATLAB, AutoCAD, Git, Circuitry, Microcontrollers, FPGAs, Machining, 3D Printing, Microsoft Office Suite