

Arnold Zamora

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EDUCATION

Rutgers, The State University of New Jersey

Expected Graduation: May 2029

Bachelor's of Science, Electrical and Computer Engineering

New Brunswick, NJ

- Organizations: Rutgers Institute of Electrical & Electronics Engineers, RUBreaks, Rutgers Catholic
- Relevant Coursework: Intro to Engineering (ID3EA), Engineering Mechanics: Statics

Edison High School

Class of 2025

Graduate

Edison, NJ

- Co-President of EHS DECA with 300+ members and 100+ hours, and Chair Member of 2025 Class Council
- Inducted into National Math, Business, English, and French Honor Societies

EXPERIENCE

District Youth Coordinator *Bukas Loob sa Diyos (BLD) Newark*

Jan. 2024 – Jan. 2025

- Led the Youth ministry of BLD Newark in event planning, budgeting, and ministry management
- 200+ hours committed towards community service within BLD through events, retreats, and outreach
- Fundraised \$4000+ towards the 29th Youth Encounter retreat, and managed a team of 50+ volunteers
- Facilitated the 30th Youth Encounter retreat with 20+ participants over the course of 3 days

SAT Math Tutor *Schoolhouse.world*

Jan. 2024 – Mar. 2025

- Led 2 tutoring sessions weekly, curating unique and personalized lesson plans whilst adhering to a curriculum
- Reviewed practice problems with classes of 10 or more students to reinforce learning topics
- Prepared students through weekly homework tasks and other resources for supplemental learning
- Improved students' overall math section scores by 100+ points on average

AI Intern *DeAP Learning*

Jan. 2024 – Mar. 2024

- Chunked informational data of language learning models for a developing project in AI-education
- Closely worked under an experienced mentor and the CEO of the company to engineer AI prompts
- Wrote and proofread functions, classes, and other code in Python for AI and machine-learning applications
- Collaborated with a team of 3 other programmers to chunk data and debug programs successfully

PROJECTS

Hoopmaster | *CAD, Electronics, Circuitry, 3D-Printing*

Sept. 2025 – Dec. 2025

- Developed a 4x4x6" 3D-printed toy with mechanical & electrical components and universal design principles
- Displayed the toy's functionality, features, and documentation in Intro to Engineering class

Python to Arduino Tracking | *Python, OpenCV, Arduino, Robotics*

Dec. 2023 – Jan. 2024

- Engineered a real-time tracking system to process webcam feeds and visualize data on a custom GUI
- Implemented automated facial detection with the ability to toggle between mouse tracking & vision-based input

Python-Based Racial Detection | *Python, DeepFace, OpenCV, Machine Learning*

Nov. 2023 – Dec. 2023

- Developed a facial analysis application with over 95% accuracy to classify demographic data
- Programmed a sub-second latency image processing pipeline to analyze facial attributes from local files

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, HTML, CSS, JavaScript
- **Certifications:** Onshape Intro to Sketching Course Completion, Databricks Generative AI Fundamentals
- **Skills:** Communication, Teamwork, Adaptability, Time Management, Multi-Tasking, Organization
- **Interests:** Volunteering, Dance, Music, Piano, Content Creation, Media