

# Paul Nguyen

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## EDUCATION

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**Boston University**, *College of Engineering & Kilachand Honors College*, Boston, MA  
*B.S. in Mechanical and Computer Engineering*, May 2028

**Shelton High School**, Shelton, CT  
*High School Diploma with Distinction*, Jun. 2024  
GPA: 4.38/4.00; Rank: 10/310

## EXPERIENCE / VOLUNTEERING

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**Gaelhawks Robotics, Shelton High School**, *Build/Digital Marketing*, Nov. 2021 – Jun. 2024

- Chaired the media team, capturing creative footage during build and competition seasons.
- Produced engaging media content by compiling footage, achieving significant growth: 31.3% increase in YouTube viewership, 9.7% rise in subscribers, and 82.9% boost in Instagram impressions.
- Placed 4th at the Houston World Championships 2022, 4x Nationals Qualifiers.

**Independent Researcher**, *Independent Designer/Programmer*, Nov. 2021 – Mar. 2024

- Individually developed machine learning drone for disaster response using AI techniques and fundamental engineering skills
- Collaborated and designed with local first responders, presented to panel of established university professors, ultimately placed as one of five \$18k+ scholarship finalists of the 1000+ regional student pool

**SHS Racquet Club, Shelton High School**, *Founder/President*, Oct. 2021 – Jun. 2024

- Founded club to garner interest in racquet sports in the school.
- Led over 70+ members on a bi-weekly basis.
- Coordinated a fundraiser called “Birdies for Books”, receiving \$600+ in donations.

**Holy Rosary Parish**, *Altar Server/Catechist*, Ansonia, CT, May 2014 – Present

- Developed a strong commitment to assisting in the sacraments and liturgical celebrations, serving over 400 masses over the span of 10 years to 100+ member masses.
- Taught catholic youth groups at a local church, assisting in Family Faith Formation meetings, and guiding children ages 6-9 in understanding the teachings of the Catholic faith, increasing the overall amount of youth in church.

**Future Business Leaders of America, Shelton High School**, *Co-Vice-President*, Sept. 2022 – June 2024

- Led 100+ member chapter as vice-president, placing bronze at the state level and qualifying for nationals.
- Co-coordinated multiple fundraisers, garnering over \$16k in paid partnerships and donations.

## HONORS

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**Barton L. Weller Scholarship Finalist**, *The Weller Foundation*, Oct. 2023

**Student Sage Scholar Award**, *SHS Scholarship Committee*, May 2023

**Domoryod-Youd Memorial Scholarship**, *Domorod Trust*, May 2024

**Freeman E. Burr Sr. Scholarship**, *SHS Scholarship Committee*, May 2024

## SKILLS

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*Programming*: Python, TensorFlow (Beginner Knowledge), Java, HTML, CSS, Tailwind CSS, and JavaScript

*Technical*: Microsoft Office (Word, Excel, PowerPoint), Google Workspace (Docs, Sheets, Slides, etc.), MATLAB, AutoDesk Fusion 360, Visual Studio Code, Adobe Cloud, Tool-work, Canva, and

*Social*: Leadership, Planning, Communication, Adaptability, Critical Thinking

*Languages*: English (Native), Vietnamese (Professional), French (Limited)