

Eric Yip Chang

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EDUCATION

Virginia Tech

Bachelor in Science in College of Engineering, Majoring in Computer Science.

Blacksburg, VA

August 2023 – May 2027

Dean's List | Spring 2025

- Achieved Dean's List with a GPA of 3.42.

Relevant Courses

Software Design, Introduction to Problem Solving, Calculus, Foundations of Engineering, Linear Algebra, Introduction to Discrete Math

EXPERIENCE

HackViolet Team Leader

February 2025

Virginia Tech/Hackathon

Blacksburg, VA

- Utilized the Xcode platform to develop a functional application that enables on-campus students to order meals for delivery from dining halls.
- DormDash: Students first select one of the twenty-seven dorms on campus they would like their order delivered. They then choose one of ten dining halls on campus they would like to buy food from and then their meals. Finally proceed to payment, covering the total cost, which includes the delivery fee and tip.
- Achieved knowledge in programming with Swift, User Experience Design, and AI.

Undergraduate Research Assistant

October 2024 – February 2025

Virginia Tech

Blacksburg, VA

- Learned data analytics and research principles; gathered and examined data from diverse surveys.
- Utilized Microsoft Excel to parse and input data from student surveys in Qualtrics.
- Collected precise data from student test groups, focusing on stress behavior patterns.
- Analyzed responses to categorize crowd stress types.
- Reviewed over 100 student surveys since Fall 2024.

Data Collection Analyst

August 2023 – May 2024

Virginia Tech/Foundations of Engineering Course

Blacksburg, VA

- Recorded and gathered data on driver behavior in response to pedestrian traffic.
- Programmed with MATLAB to examine rotational speed and air resistance of an asymmetrical wind turbine.

Business Cashier

August 2017 – July 2023

Abarroteria Yip

Tegucigalpa, Honduras

- Started as a cashier, ensuring smooth and efficient customer experiences.
- Interacted with owners from other companies and build connections for our businesses.
- Gained management experience by assigning workers with different tasks to make the business successful.

LEADERSHIP

Engineering Camp Mentor

July 2025

Virginia Tech

Department of Innovative Technologies

- Guide young engineers through hands-on coding and prototyping activities to build foundational skills in their chosen engineering field.
- Share personal experiences in innovation to inspire and educate.
- Encourage participants to explore their creativity and push the boundaries of their imagination.

Lego Club at VT Community Relations Manager

August 2025 – Present

Virginia Tech

Blacksburg, VA

- Needed for managing events and collaborating with other organizations to recruit new members.
- Strive to propose fresh ideas that inspire students to explore their creativity and imagination through Lego activities.
- Gained leadership experience by managing activities, channeling enthusiasm, and shaping policies to strengthen the organization.

Students Helping Honduras Club Member

February 2024 – Present

Virginia Tech

Blacksburg, VA

- Organized fundraisers to support school construction in Honduras.
- Coordinated events raising 23,000 towards the year-end goal.

ACCOMPLISHMENTS

Engineering Projects

- Programmed a functional calculator in Python.
- Designed an asymmetrical wind turbine in SolidWorks.
- Developed a Java particle simulator with dynamic interactions.
- Created an AI-powered Battleship game with strategic algorithms.

KEY SKILLS AND INTERESTS

- Programming Languages:** Python, Java, MATLAB, FoxPro, CSS, JavaScript.
- Engineering Skills:** Laser cutting, Coding, Circuitry, 3-D Modeling, SolidWorks, Microsoft Excel, NODE.js, and Swift.
- Extracurricular Activities:** Ping Pong Club, Lego Club, Students Helping Honduras.
- Languages:** Spanish, English, Cantonese.
- Hobbies:** Volleyball, Tennis, Travel.