

Kashif Chopra

Electrical and Computer Engineering | GPA 3.98
choprak@lafayette.edu

AWARDS / HONORS / SPECIAL RECOGNITIONS / INTERESTS / PRIZES

Marquis Fellowship (2022–Present)

- *Full-tuition* merit scholarship awarded to ~15 students in the Class of 2026 for academic and extracurricular excellence, as well as community engagement.

Honors Convocation - Lawrence J. Conover '24 Electrical Engineering Prize (2026)

- Presented to *one senior in Electrical and Computer Engineering* upon recommendation of the Department of Electrical and Computer Engineering.

Tau Beta Pi National Scholarship (2025)

- Awarded annually to *150 engineering undergraduate seniors across the US*. Selected based on "academic achievement, promise of professional success, and service/leadership". Candidates must also be in the top 1/8 (by GPA) of their junior year class across all engineering majors.

Dyer Fellowship for Entrepreneurship (2022–Present)

- This is a cohort-based scholarship and is awarded at the time of admission to 10 students per class year.
- Students are chosen for entrepreneurial inclination, and work to foster innovation on campus.

Dean's List

- *All semesters* (Fall 2022–Present).

IEEE HKN (Eta Kappa Nu) Honors Society (Inducted 2025)

- Inducted into the official honor society of the IEEE for Electrical and Computer Engineering. Membership is restricted to the *top 25%* of the junior class.

Aaron A. Hoff Award: William G. McLean Prize (2024)

- Awarded (by professor's nomination) to *three sophomores* across all majors for demonstrating academic performance, campus citizenship, and professional orientation.

Tau Beta Pi Engineering Honors Society (Inducted 2024)

- Inducted into Tau Beta Pi, the oldest national engineering honor society. Membership is limited to the top 12.5% of the junior engineering class who "demonstrate character and academic success".

Stony Brook University, IEEE Brown Bag Rapid Circuit Design Competition (Spring 2025)

- Worked in a pair to secure *2nd Place* at the IEEE Student Leadership Conference 2025. The competition involved being given a mixed bag of electrical components, and using them to design electronic circuits that fit the desired functionality.

Lafayette "Awesomeness of 2026" Feature (Fall 2022)

- The Lafayette Awesomeness of 2026 article featured the stories of enterprising freshman in the class of 2026. I was honored to be selected as one of the five students featured in this.

ACADEMIC ENGAGEMENT / ACTIVITIES

Senior Capstone: Self-Driving Tour Robot (Fall 2025–Spring 2026)

- Working with a team of 9 ECE majors to build a *self-driving tour-guide robot* featuring *AI-based voice* capabilities, allowing users to converse in natural language with the robot, as if speaking to a human guide.
- Responsibilities include designing PCBs for power distribution, a buck converter providing stable 19V, 12V or 5V output from a 24V battery, a battery percentage monitoring system based on current drawn, and parts of the AI-based natural language voice system.

Study Abroad: Saint Louis University, Madrid (Spring 2024)

- Grateful to have learned Salsa and Bachata, improved Spanish speaking ability, taken courses on the culinary history of Spain, and traveled to 19 cities across Europe!

Independent Research: Power Electronics (Summer 2023)

- Awarded the Farinon Summer Scholarship to research Power Electronics & Energy Conversion Systems with Professor Sally Sajadian, with a focus on power circuit analysis.

Brain Computer Interface (BCI) Lab Volunteer (*Spring 2023*)

- Volunteered in Professor Yu's (ECE) and Professor Lisa Gabel's (Neuroscience) Lab. The lab's goal was to help research brain-computer interfaces for controlling mechanical objects (e.g., wheelchairs) using brain signals.

Gateway Career Tracks (*January 2023*)

- Participated in both the East Coast and West Coast Technology Tracks, and networked extensively with alumni in the tech industry.

Google Project Management Certificate (*July 2023*)

- Completed the 6-month Google Certification in project management, and then applied skills such as Work Breakdown Structures to numerous subsequent projects.

Environmental Sensors Research Volunteer (*Fall 2022*)

- Assisted Professor Leena Shevade in researching which electrical sensors to use for her work on urban drainage systems. This involved looking into the different types of soil moisture and water flow sensors, and creating matrices to decide which sensor to use based on the needs.

CAMPUS AND COMMUNITY ENGAGEMENT / ACTIVITIES

SpaceOna (Laundry Machine Sensors) (*March 2023–Present*)

- This is my favorite project on campus. Co-founded SpaceOna, a *real-time laundry machine status service* allowing students in Watson Hall to see which laundry machines are available in real-time on spaceona.com, without having to go to the laundry room.
- Interdisciplinary team of ECE, CS, Economics, Gov/Law, and International Affairs majors.
- Built *proprietary Internet-of-Things vibration sensors*, conducted user research with 15 laundromats around Easton, and did a survey with 140+ student responses to understand the scope of the problem.
- Following numerous iterations, *successfully implemented the sensors in Watson Hall's laundry room*, after identifying it as a high-need area via the survey.

Residence Life Resident Advisor (RA) (*Fall 2023–Present*)

- Served for 3 years in both freshman and upper-class communities.
- Aided communities of 25+ students, planned relevant programming, and ensured student safety and well-being.

Community Bike Works, Easton PA (Volunteer) (*Spring 2023*)

- Volunteer & strategy planner at Community Bike Works, a local non-profit that engages students from Easton's economically weaker West Ward in after school activities.
- Mentored 16 middle/high school students in bike mechanics and "Earn-a-Bike" programs, and redesigned guidebooks for better comprehension.
- Engaged students in outdoor bike rides, activities and games.

Dyer Center for Innovation and Entrepreneurship (*2022–Present*)

- As a Dyer fellow, actively participate in Dyer Center events such as Founder's Tables, speaker series, and networking development.
- Part of the ground crew during the 2023 Laf-Lehigh Electric Plane Fly-by.
- Led soldering workshops at the Dyer Center and mentored students.

IEEE Lafayette Chapter & HKN (*2022–Present*)

- HKN Club Vice President & IEEE Class of 2026 Rep. Organize talks and events for electrical engineering students.

Motorsports Club (*Fall 2022*)

- Worked one semester in designing the battery management system components for the formula electric vehicle.

Public Speaking & Debate

- Lafayette Mock Trial (Fall 2022): As the prosecutorial lead attorney in the Lafayette Mock Trial Team my freshman year, I delivered the final case-closing speech. We secured 2nd Place at the competition.
- Harvard Model UN (Spring 2023): Represented Lafayette College.
- George Mason Speech Competition (Fall 2022): Represented Lafayette in extempore speech.
- Courses like Speaking Power and Stand Up Comedy!

South Asian Students Association (SASA) and International Student Association (ISA) (2022–Present)

- Perform the Tabla (Indian Hand Drum) for cultural music nights, and am an active member in celebrations such as Diwali, Holi and ISA World Cup.

Freshman Class Speaker (XLC) (August 2023)

- Selected as the only freshman to address the incoming Class of 2027 during their XLC 2023.

EMPLOYMENT EXPERIENCES ON/OFF CAMPUS

SpaceX (xAI) (Spring 2026)

- Part-time Co-op. Working 15 hours/week to design power systems for large-scale AI data centers. The goal is to design systems that reduce energy consumption for AI training and increase compute power.

Microsoft (Summer 2025)

- Product Manager Intern at Seattle headquarters. Designed an AI-based, tailored post-purchase user interface for Microsoft 365 consumer subscriptions, focused on driving user interaction with Copilot AI features within Word, Excel, PowerPoint, etc.
- Selected from 100+ intern applicants to moderate a product strategy talk with Microsoft Leadership during Intern Celebration Week in July.

Boehringer Ingelheim (BI) (Summer 2024)

- IT Development Intern with Boehringer Ingelheim, one of the largest pharmaceutical companies in the world. Developed a JavaScript/Python toolkit to automate validation for chromatography tests done on new medicines in the research labs. This helped reduce the total time for the validation tests by 75%.
- Implemented a dashboard with real-time server status charts and automated reporting. Found this internship in collaboration with the Gateway Career Centre.

ITS Tech Lounge, Lafayette College (Fall 2024–Present)

- Tech Consultant. Assist students with technical issues including login errors, memory resets, and virus removal.

Recreation Services, Lafayette College (Spring 2023–Fall 2025)

- Facility Monitor (Gym front desk). Awarded Employee of the Semester (Spring 2025). Assisted students and managed gym equipment rentals.

Deloitte (January 2024)

- Gateway Extern. Shadowed Lafayette alumni; learned about technology implementation across federal projects in Washington D.C.

Olive Web Development (Summer 2023)

- Web Development Intern. Partnered with the client to define product vision and build the client website using HTML/CSS.

Hero Electric Vehicles (India) (Summer 2023)

- Extern. Studied the production process and supply chain for electric scooters.

AllPeople Marketplace (January 2023)

- Intern. Explored Shopify as a sales channel for sustainable goods.

LaFarm (Fall 2022)

- Student Farmer. Harvested produce, packed vegetable cartons, and maintained crop health.

OTHER

Languages:

Fluent in English, Hindi, and Punjabi; Intermediate in Spanish.

Skills & Interests:

Sculpture (bronze, papier-mâché, clay); Tabla (Indian Drum) player; Certified Red Cross CPR.

Athletics:

Very passionate about the gym; Intramural Soccer (ISA World Cup Winning Asia Team); Recreational Table Tennis.