

# Rohan Patel

[rohanpatel123@gmail.com](mailto:rohanpatel123@gmail.com)

## Education

**Ecole Jeannine Manuel** - Paris, France 2017 - 2025

The Ecole Jeannine Manuel Award for Academic Excellence June 2024

**IB 41/42** (Latest Term Grade)

HL: Math AA, Chemistry, Physics, Economics | SL: English, French

**SAT 1550** (790 Math | 760 Verbal)

## Projects

**CERN: January 2024 - April 2024**

- Submitted proposal to CERN (European Council for Nuclear Research) to test an experiment on microplastics in BL4S competition, exploring microplastics and their electric double layers on the T9 Beamline electron beam.
- Led a team of 9 students, developed a detailed experiment proposal to explore how an electron beam would impact microplastic sedimentation. Conducted extensive research into the quantum mechanics of electron flow in the Beamline and the electric double layer, aiming to better understand and facilitate removal of microplastics from critical environments.

**Assisty - Productivity iOS App: May 2021 - Present**

- App has an easy to navigate UI with quick access tools that smartly organize the user's schedule to make task management easier with modern technologies.
- Developed Assisty by coding in Swift & Python and utilized open source machine learning frameworks including Create ML & Pytorch.
- Conducted user research to design UI and optimize the UX. Wrote back-end code, ran testing simulations, debugged builds, and iterated the product.  
[Github Repo page](#) [Assisty Project Information & Updates]  
[TestFlight Access](#) [Link to the App]

**RotoPower: June 2022**

- Summer bioengineering course at Duke University main campus.  
Earned Most Impressive Engineering Award and Design Visionary Certificate.
- Prototyped affordable bike-mounted power generator to provide sustainable energy where biking is a predominant method of travel.
- Designed custom dynamo compartment and optimized energy storage algorithm in Python on Raspberry Pi controller. Crafted working prototype using 3D printers in makerspace lab.

## Professional Experiences

**ReSpo.Vision, May 2024 - Present | Paid Intern**

- Working at a pioneering AI startup focused on improving athlete performance through groundbreaking computer vision models.
- Assist with business strategy research and optimization of machine learning model stack with Google Cloud virtual-machine solutions.

### **Bank of Ireland, Summer 2023 | Intern**

- Interned at Leveraged Acquisitions Finance desk. Gained experience in writing due diligence reports and preparing analyses for major investment portfolios.

### **beIN Media Group, Winter 2022 | Intern**

- Shadowed multiple global departments: strategy & investments and digital media. Gained a better sense of the professional world and media industry.

## **Leadership & Activities**

### **Troop 112 Paris: September 2021 - Present | Eagle Scout**

#### **Eagle Rank: October 2024**

- Achieved highest rank in Scouting, reflecting leadership, service, and commitment.  
[Eagle Rank Documents](#) [Statement of Ambitions, Project Report, & Rank Application]
- Partnered with American Legion Paris Post 1 at Pershing Hall for my Eagle Project.
- Gained leadership experience through communicating with beneficiaries, recruiting 26 volunteers, and managing project team to catalog a collection of American post-Revolution artifacts stemming from 250 years of French-American friendship.
- Cataloged 500+ historical artifacts into a digital index to make the knowledge of these valuable items more accessible.

### **National Youth Leadership Training (NYLT) Honor Patrol & Staff: July 2024 & July 2023**

- Staff at NYLT 2024, I performed the function of Troop Guide, training a patrol of 7 scouts in servant-leadership and forming the next generation of Youth leaders.
- Honor Patrol at NYLT 2023. Among the top-10% of course attendees and invited to staff NYLT 2024.

### **Senior Patrol Leader: February 2024 - October 2024**

- As Senior Patrol Leader I organized meetings, campouts, and community service events.
- TAC Council Senior Patrol Leader 2024 President Award.
- Led over 50 scouts through activity organization and crafting educational programs that inspire love for the outdoors.
- Mentored younger scouts for leadership roles to help them grow and navigate their Scouting journeys. Learned resilience and patience through organizing patrol groups.
- Planned ceremonies at Omaha Beach to commemorate 80th anniversary of D-Day operations and taught new scouts importance of respecting the flag and the service of our uniformed forces. Guided CBS News on historic walking tour of French-American history, [interview](#).

### **Champs de Mars Service Project: September 2023**

- Recruited 18 Scouts for a Saturday afternoon clean up and awareness campaign in local park to fend off cigarette pollution. Distributed ash trays to smokers to promote sustainability.
- Partnered with Les Amis du Champ de Mars, a neighborhood resident-activist organization, and the Mairie (Townhall) of Paris.

**École Duquesne: January 2024 - Present | Teacher**

- Leveraged my bilingual fluency to launch an English program for grade school students.
- Partnered with the Mayor of Paris' 7th Arrondissement to select a pilot school location.
- Worked with school director to expand the initiative by recruiting peers from my high school.
- Devised lesson plans and communicated with teachers to keep the program fresh and engaging.

**Koh Ed: September 2022 - Present | Teacher and Board Member**

- Responsible for teaching language skills to those in need to uplift themselves and those around them.
- Lead Marketing, IT, and Financial functions for student-led educational non-profit that is committed to empowering individuals through access to education.

**American Library in Paris: January 2022 - September 2024 | President of Teen Advisory Group**

- Led initiatives to tackle issues such as affordable study memberships and study room extensions.
- Worked closely with the Library Board and Director to address needs of teen members.

**Young Enthusiastic Science: September 2021 - Present | Member**

- School club to promote interest in STEM among younger age groups through engaging and innovative activities, experiments, and science shows while mixing in informative lesson plans.
- Relaunched the club in 2022 after the founding professor retired. Met with the science department director to restart the program and initiated makerspace activities for middle school students.

**Stade Français Basket: September 2019 - September 2024 | Basketball Player**

- Played as a starter for a competition basketball team, participating in regional and division tournaments.
- Developed a deep understanding of game strategy, and consistently improved technical skills such as ball handling, shooting, and defense.
- Managed a rigorous training schedule, balancing academic responsibilities with athletic commitments.

**Languages**

English - Fluent

French - Fluent

Spanish - Conversational

**Skills & Interests**

Public Speaking & Debate - General Assembly/MUN

Guitar - Advanced Level

Camping and Hiking

Software Development - Professional Level: Python, Swift,

HTML/CSS, Java, Javascript, Ruby, C++