

Harris Paspuleti, EIT

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EDUCATION

THE COOPER UNION

M.E. IN MECHANICAL ENGINEERING
Expected Dec 2021 | New York, NY
Albert Nerken School of Engineering

THE COOPER UNION

B.E. IN MECHANICAL ENGINEERING
May 2021 | New York, NY
Albert Nerken School of Engineering

LIVINGSTON HIGH SCHOOL

Grad. May 2017 | Livingston, NJ

HONORS

Half Tuition Scholarship
Estelle Daniel Maggin Scholarship

CERTIFICATIONS

Fundamentals of Engineering
IC3 Digital Literacy
OSHA-10

COURSEWORK

Mechatronics
Mobile Autonomous Robots
Industrial Robots
Aircraft Engineering Fundamentals
Frequentist Machine Learning
Deep Learning
Project Management

CLICKABLE LINKS

FIRST Tech Challenge:// [CAD Video](#)
Invention Factory:// [\(W\)Airable Device](#)

SKILLS

DESIGN AND PROTOTYPING

Proficient
SolidWorks • AutoCAD • Laser-cutting •
Python • Circuit Logic • LaTeX • MATLAB
• Microsoft Office

Intermediate

C • C++ • JavaScript • Stress Analysis
Casting • CNC

Familiar:

OpenSCAD • PTC Creo • Fusion 360

EXPERIENCE

JACOBS ENGINEERING GROUP | MECHANICAL ENGINEER

May 2021 – Present | New York, NY

- Design self-sanitizing HVAC systems for 10 COVID-19 testing & vaccination sites in the NYC region.
- Conduct and document multidisciplinary tunnel and fire life safety reports.
- Use BIM software to design and catalog NYC metro networks.

PORT AUTHORITY OF NY & NJ | ENGINEERING AIDE

July 2020 – May 2021 | New York, NY

- Develop "As Built" drawings and keep track of progress of the site through Daily Narratives and pictures.
- Manage in field operations and contractors at the World Trade Center site.
- Conduct monthly audits for a \$1,500,000 Work Order.
- Process time and material slips for contractors.

JOINT ACTIVITIES COMMITTEE | BANKER

March 2020 – May 2021 | New York, NY

- Allocate a budget of \$75,000 to over 50 college clubs.
- Manage reimbursement and funding requests throughout the year.
- Update online platform to convey news and policy changes.

GRACE CHURCH SCHOOL | MATH SCIENCE CENTER CONSULTANT

September 2018 – June 2021 | New York, NY

- Tutor high school students in STEM related subjects.
- Maintain a continuous and detailed record of students' progress.
- Suggest alternative methods to help students comprehend their coursework.
- Specialization in advanced physics and all courses of math.

PROJECT WORK

(W)AIRABLE: AIR QUALITY DETECTOR | INVENTOR

July 2018 – August 2018 | New York, NY

- Designed, developed, and manufactured a new product, (W)Airable to monitor and alert of hazardous ambient air.
- Filed for and received a Provisional Patent for the (W)Airable device.
- Implemented an iterative design process to develop a meaningful product for first-responders.

FIRST TECHNOLOGY CHALLENGE | TEAM CAPTAIN

September 2013 - June 2017

- 3 time World Championship Think Award Winner
- Maintained a detailed documentation of the robot
- Deans List Semi-finalist

LEADERSHIP ACTIVITIES

2017 - 2021	Captain	CooperNova Dance Team
2017 - 2021	President	South Asian Society
2018 - 2020	Event Coordinator	Create@Cooper Hackathon
2013 - 2017	Team Captain	FIRST Technology Challenge