

# Harris Paspuleti, EIT

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## EDUCATION

### THE COOPER UNION

#### B.E. IN MECHANICAL ENGINEERING

Expected 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  
Energy Efficient Building Systems

## CLICKABLE LINKS

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

## 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

### PORT AUTHORITY OF NY & NJ | ENGINEERING AIDE

July 2020 – Present | 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.

### COOPER UNION RESIDENCE HALL | RESIDENT ASSISTANT

August 2020 – Present | New York, NY

- Assist in supervising residents and responding to complaints, reports, requests and emergencies.
- Facilitates resolution of disagreements between residents.
- Enforces university and residence hall rules and regulations.

### JOINT ACTIVITIES COMMITTEE | BANKER

March 2020 – Present | 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 – Present | 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
- Maintained a detailed documentation of the robot
- Deans List Semi-finalist

## LEADERSHIP ACTIVITIES

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