

ESTHER IN

College of Engineering | Class of 2022 | Tel. (240) 474-3426 | ei53@cornell.edu

PROJECTS

Author of Patent Pending “METHOD AND APPARATUS FOR HARVESTING ELECTRICAL ENERGY FROM AIR FLOW IN A MOVING SYSTEM”

October 2018

Filed international patent application with application number PCT/US18/55781 and United States Patent Office application number 62/572,391.

Co-Head Administrator

Harper / January 2015 – Current

Currently directing an international co-operational writing community. Responsible for training and overseeing moderators, maintaining site databases, moderating site content and member participation, and mediating and resolving interpersonal conflicts.

Electrical Lead, Webmaster, Business Team Member

FIRST Tech Challenge Team 9450 Falcons FIRST / June 2017 – July 2018

Competed with FTC Team 9450 Falcons FIRST at the Maryland State Championships 2018 and FTC World Championships 2018: Detroit. Oversaw and guided the electrical sub-team. Built and maintained the team website <https://falconsfirstftc.weebly.com/>. Drafted and edited the business plan for presentation to sponsors.

WORK EXPERIENCE

Lab Research Assistant

Johns Hopkins University / June - August 2017

Interned at the Institute of Cell Engineering at Johns Hopkins University. Created and maintained cell media, preformed SDS-PAGE gel trials, and utilized laboratory equipment to collect qualitative and quantitative data.

RELEVANT SKILLS

- HTML/CSS (expert), Java (proficient), Python (proficient)
- Soldering (proficient), Computer-Aided Design (novice)
- Power Tools (proficient), Table Saw (proficient), Band Saw (proficient)