

# HE

## HARRISON ERNST

ELECTRICAL ENGINEERING & GERMAN  
210 MEADBROOK ROAD • GARDEN CITY, NY 11530

### SKILLS

- Teamwork
- Project Management
- Public Speaking

#### Languages:

- English and German

#### Computer/Electrical:

- Soldering
- Household Wiring
- Small Circuit Design
- Battery System Design
- Microsoft Office Suite (Including Visio & Project)
- Matlab, Arduino
- PSpice, LabVIEW
- Python, C++ (Beginner)

### SOLO PROJECTS

- Three House Synchronized Lights to Music Display
- Multi-use Solar Generator and Battery Backup System Design and Fabrication
- See **Engineering Portfolio** for many more

### EDUCATION

#### LEHIGH UNIVERSITY • BETHLEHEM, PA • 2018 - 2022

B.S. Electrical Engineering  
B.A. German

#### PFORZHEIM UNIVERSITY • PFORZHEIM, GERMANY • 2019

Six Week, Nine Credit Exchange Program  
Courses: Production and Supply Chain Management, Engineering in Manufacturing, Advanced German Language and Culture

#### THE GERMAN AMERICAN SCHOOL • NEW YORK, NY • 2006 – 2017

Graduated in 2016, continued to complete optional AP in 2017  
Study of the German Language, Economy, Culture, and Geography

### EXPERIENCE

#### ENGINEER • SELF EMPLOYED • 2014 - PRESENT

General repairs and projects ranging from fixing and upgrading computers to installing new circuits and electrical fixtures, including specialized projects

#### WAITER/BUSSER • PROST GRILL & GARTEN • 2019 - PRESENT

Full time over the summer of 2019, part time after the school year began

#### PROJECT ENGINEERING INTERN (ELECTRICAL) • TRIUMPH GROUP • SUMMER 2021

Oversaw and contributed to electrical engineering projects: documented electrical designs, met, and worked directly with suppliers and customers

### LEADERSHIP & ACCOMPLISHMENTS

- |   |                |
|---|----------------|
| • Joseph C. Gabuzda Memorial Award (Awarded by the Lehigh University ECE Department for showing outstanding promise, both intellectually and in leadership qualities) | 2021           |
| • 4.0 GPA Fall 2020 (Dean's List & Patriot League Academic Honor Roll)  | 2020           |
| • Participant in leadership training classes and workshops under Lehigh Athletics Department  | 2020 - Present |
| • Lehigh Varsity Track and Field Athlete  | 2018 - Present |
| • National Honor Society, National Latin Honor Society, and National German Honor Society   | 2017 - 2018    |
| • Received best Teammate Award during senior year of High School  | 2018           |
| • Team Captain of High School Varsity Cross Country, Bowling, and Track and Field   | 2016 - 2018    |
| • Lived with a host family and shadowed a student for a month in Passau, Germany  | 2017           |



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[www.ernst.site](http://www.ernst.site)  
(Engineering Portfolio)



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