

George Gao

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5536 Kentucky Ave Pittsburgh, PA 15232

EDUCATION

Carnegie Mellon University | Pittsburgh, PA

Class of 2023

Bachelor of Science in Electrical Computer Engineering, Minor in Business Administration

GPA: 4.00/4.00

EXPERIENCE

Technical Intern EE/Security | Buzr. | NYC NY.

January 2021 – Present

- Run, integrate, and analyze security penetration tests for Android, IOS, AWS environments
- Manage, create, and review custom Altium components

Data Analyst & Outreach | 180 Degrees Consulting | Carnegie Mellon University **January 2020 – Present**

- Improved data flow models for a nonprofit by writing a nine page workflow guideline
- Wrote two-page privacy policy for client and presented to company executives
- Reached out to future non-profit clients for the organization

Campus Technician | Carnegie Mellon University

January 2020 – May 2020

- Managed, inspected, and troubleshoot multimedia devices in classrooms on teams of two
- Identified computer issues and communicated with university IT workers

Communications Director | TEDx | Hinsdale IL.

January 2018 – June 2019

- Organized TEDx event for 100 attendees and raised over \$1000 in sponsorships
- Marketed event using official Youtube, Snapchat, Facebook, Instagram, and Twitter accounts
- Located, reached out to, and booked speakers from three different states

PROJECTS

CMU Moon Ranger - Research Assistant

August 2020 – Present

- *Designed prototype PCB board with Altium Design that determines the Sun's angle with 2 axis photosensors to calibrate directional components for CMU Moon Ranger*
- *Wrote Client side I2C Protocolling C code between two Microcontrollers to emulate power monitoring*

Stock Analyzer

May 2020

- *Built a Python application that fetched financial data with Selenium and Requests, connected news articles parsed with an API with price fluctuations, and displayed GUI with Tkinter*

Hack 112 (2nd Place award)

April 2020

- *Built Python application in a team of 4 that uses natural language processing and web scraping to determine genres of books by analyzing text excerpts*

Build18 Hardware Hack (Builder's Choice and Rockwell Automation awards)

January 2020

- *Built proof of concept for search and rescue robot on team of four using Onshape and Solidworks 2019*

LEADERSHIP

Investment Club | President | Hinsdale Central

September 2016 – May 2019

- Taught and learned basic technical investment knowledge
- Managed club PR, recruitment, network, communications, and organized guest speakers
- Grew club each year from 20 to 40 active members

Skills

Microsoft Office: Powerpoint, Slides, Excel, Word,

Technical Skills: SolidWorks 2019, Onshape, Python, HTML, CSS, Matlab, C, Agile Methodology

Coursework: Fundamentals of Programing, Principles of Imperative Computation, Electronic Devices and Analog Circuits, Signals and Systems, Math Foundations for Electrical Engineers, Intro to Probability Theory

Extracurriculars

Robotics Club

September 2019 – Present

Kappa Sigma Fraternity

February 2020 – Present