QUANG TRUONG
New York, NY

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EDUCATION:

City College, City University of New York   *Anticipated June 2021*
B.E. Electrical Engineering, ABET-Accredited
GPA 3.24

TECHNICAL SKILLS:

- *Programming Languages:* C/C++, MATLAB
- *Lab Equipment:* Power Supply, Multimeter, Oscilloscope
- *Hardware:* Arduino, Raspberry Pi, ESP8266, ARM
- *Engineering Tools:* Multisims, Autodesk Fusion 360, KiCAD, LTSpice
- *Software:* Microsoft Words, PowerPoint, Excel

EXPERIENCE:

Zahn Innovation Center   *September 2019 – Present*
Senior Apprentice

- Participated in a team of 3 to design and program an RF and Bluetooth controlled R2D2 robot
- Designed remote controller PCB using KiCAD
- Collaborated with other interdisciplinary engineers to construct R2D2 3D printed body parts and integrate Alexa personal assistant using Raspberry Pi
- Managed and taught soldering workshops to over 40 students

Harlem Launch Alliance Inc.   *January 2018 – May 2019*
System Engineer

- Collaborated with a team of 3 in rocket's main electronic design and testing
- Acquired from rocket's airframe embedded thermistors to microSD card using Arduino Uno
- Implemented high current ammeter using ACS770 50-Amp hall effect IC sensor

PERSONAL PROJECTS

USB Number-Pad   *July 2020 - Present*

- Designed a custom 17-key numpad using Arduino Pro Micro and QMK Firmware.
- Drafted schematic and PCB layout using KiCAD.

Portable Li-Ion Battery Bank   *June 2019 - August 2019*

- Designed a portable 3S1P li-ion battery bank for a portable drill with directional and speed control, and a battery charge indicator.

CERTICATION

- Federal Aviation Administration Airframe & Powerplant License
- Arduino Fundamentals Certification
- Six Sigma White Belt Certification