

Shen Huang

Cell Phone: 86-13311975466

E-Mail: shenhuang@live.ca

Personal Website: shenhuang.github.io

Skills

Programming: Type Script, Python, C, C#, Java

Language: English (Expert), Chinese (Native)

Office Tools: Word, Excel, Power Point

Design Tools: Photoshop, 3DS Max

Willing and able to quickly learn any new skills

Education & Work Experience

2020.10 - 2021.4	Byte Dance	Game Developer Engineer
2018.5 - 2020.5	National Science Foundation	Teaching Assistance (Data Science)
2017.9 - 2020.5	California State University, Northridge	MASc in Computer Science
2015.7 - 2017.3	Operation Technology Inc.	Software Test Engineer
2011.9 - 2015.5	Queens University	MEng in Electrical Engineering

Project Experience

Queens ECE Robot Competition (1st Place)

- Created a slam-dunk robot driven by **Arduino**.
- Hardware troubleshooting for sensors and actuators such as pressure sensor, infra-red & servomotor.
- Software troubleshooting for algorithms such as PID control & pulse-width modulation.

Microprocessor Applications

- Worked on numerous applications such as traffic-light control, digital control for photovoltaic systems & several robotic applications.
 - Hardware building and troubleshooting for accelerometers, metal detectors & breadboard circuitries.
 - Microprocessor trouble shooting involving FPGA, DSP, and **Arduino**.
 - Software research and troubleshooting for algorithms such as Solar Voltaic MPPT, Matrix Calculation with Gauss-Seidel/PLU & Signal Processing with Fourier Transform etc.
-

Other Experience

HCI Research

- Assisted research process such as developing prototype, and training Machine Learning Models.
- First paper published on 13th IEEE HSI 2020 held in Tokyo, Japan.
- Several other results from research were waiting to be published.

Medium Writer

- Writer for Towards Data Science, The Startup, Hacker Noon and freeCodeCamp.
 - Several articles were selected by the curators and displayed at the front page.
 - Articles were published on other platform upon requests.
-

Awards & Prizes

Queens ECE Robot Competition (1st Place)

CEMC Math Competition Certificate of Distinction

Presented Research on SCC Space Computing Conference