**Shen Huang**

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**Skills**

**Programming:** Type Script, Python, Java etc. **Language:** English (Fluent), Chinese (Native)

**Office Tools:** Word, Excel, Power Point etc. **Design Tools:** Photoshop, 3DS Max etc.

**Willing and able to quickly learn any new skills**

**Education & Work Experience**

2020.10 - 2021.4 **Byte Dance** Software 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 (HCI)

2015.7 – 2017.3 **Operation Technology Inc.**  Software Test Engineer

2011.9 - 2015.5 **Queens University** MEng in Electrical Engineering

**Research Experience**

**Research in Behavioral Biometrics**

* Researched subjects in keystroke, mouse, and touch dynamics, applications on Identification and classification etc.
* Conducted survey and data collection with self-made mobile software applications, performed data analysis with modern techniques in data science.
* Published the first paper in 13th International Conference on Human System Interaction (HSI 2020), more research works waiting to be published, can be provided upon request.
* Presented a paper at the 2019 IEEE Space Computing Conference.

**Project Experience**

**Mango Card Game (Byte Dance Mini Game) Front-End**

* Developed systems with TypeScript & Cocos, optimized the system, and reduced dc by 90%.
* Worked collaboratively in a highly agile environment (1-2) releases per day.
* Created several automation scripts with Python, greatly accelerated the workflow.
* Design and improved the audio manager of the game, filed a Patent.

**Unity Games (Byte Dance Mini Game) Front-End**

* Created several games in Unity, utilizing VR system and Google Cardboard SDK.

**Other Experience**

**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