# Chun-Yi Kuo

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## Working experience

**T&C Technologies Inc.** – Software Engineer　　　　　　　　　　　　　2017 – 2021

- Customized radio frequency (RF) measurement system development
- Mid-large LabVIEW-C++ mixed system development
  - Pulse modulated RF signal pattern classification such as PRI type, frequency agility type, scan type.
  - Main entry point is developed by LabVIEW, while C++ served as dynamic link library.
  - LabVIEW often adopt QMH pattern (Queued Message Handler) with state machine.
  - C++ deal with massive computation, such as pulse deinterleaving, often adopt OOP.
  - Integrated instrument control (RFSG, RFSA, other devices) and network communication (report transmission, remote command handler)
- Lead the very first self-made system to be qualified for electro-magnetic compatibility (EMC) and environmental test. (MIL-STD-461, MIL-STL-810)
- Customer communication and specification alignment
- Field technical support
- Mentoring summer intern

**Compulsory military service** – Corporal of field artillery　　　　　　　2015 – 2016

- 2 times live-fire practices, and 6 weeks as duty sergeant.

## Education

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| **Advanced Diploma, Computer Programming & Analysis, Seneca College, Toronto** | 2022 – Now |
| **M.S. Department of Biomedical Engineering, National Cheng Kung University, Taiwan** | 2013 – 2015 |

- Thesis: The Simulation Analysis of Bioimpedance Variations for Skin Lesion
- Teaching assistant in class: Electronics Laboratory (1) & (2)

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| **B.S. Department of Electronics Engineering, National Chiao Tung University, Taiwan** | 2008 – 2013 |

# Personal Project

**Stocker** – a backend web service of public financial statements of Taiwan listed stock market

- Co-operate with my friend Raymond.
- Brief operating logic:
  - Crawling financial statement from TWSE with python requests.
  - Sorting original data and rearrange into JSON format.
  - Sending POST requests to update database.
- Technologies: RESTful API with Python Flask, MariaDB with ORM Sqlalchemy
- Version control with git, and GitLab flow.
- GitHub repo: https://github.com/cykuotaiwan/stocker

# Skill

**Software**: C++, Python/Flask, Go, Web, LabVIEW, Git

**Soft**: Well communication skill with clients and colleagues