

# Wen-Ling Chi

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🌐 [Wanda jih](#)

in [Wen-Ling Chi](#)

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## Education

Purdue University, IN, USA

Aug 2021 – May 2023

*M.S. in Computer Science*

National Taipei University, Taipei, Taiwan

Sep 2016 – June 2020

*B.S. in Computer Science: Junior / Senior GPA: 3.72/4.0*

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## Professional Experience

Gigabyte, Taipei, Taiwan

*Software Engineer/Firmware Engineer: Mar 2021 – July 2021*

- Developed and fixed bugs in existing processes for a remote firmware management system (AMI) which controls operations on baseboard management controllers (BMC). Allowed users to have more control over their BMC.
- Improved and maintained the internal system website to control BMC's. Added compatibility with mobile devices and simplified the UI and functionality on the website.

ShopBack, Taipei, Taiwan

*Automation Developer / Quality Assurance Engineering Intern (QA): Sep 2020 – Mar 2021*

- Led a team to develop automation scripts for previously manual tasks while following the AGILE methodology.
- Created documentation on testing of various applications on IOS and Android, detailing faults, and improvements.
- Held workshops to teach code to fellow interns, giving them a basic understanding of coding.

Galaxy Software Services, Taipei, Taiwan

*Application Developer / Database Admin Intern: Jun 2018 – August 2018*

- Maintained a database of personal employee information through the use of SQL servers.
  - As a team of 3, cooperated with a local taxi company and created a service where employees can conveniently use a website or local app to call taxis with employee discounts.
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## Projects

Python Script for BMC Chip Information

*Gigabyte / Member: Apr 2021 – Jun 2021*

- Utilized Python to let users obtain BMC chip information under Linux/Windows.
- Developed a user interface so that customers can use simple commands to get logs from BMC, which can also help firmware developers reduce debugging time by over 90%.

Automated Tests for ShopBack Service

*ShopBack / Project Leader: Jan 2021 – Mar 2021*

- Utilized Cypress to do automatic tests on SHOPBACK website for functions of searching, login, and signup.
- Utilized ADB and Selenium to do automatic tests on SHOPBACK android platform for functions of login and signup.

Forex Pricing Tool

*Individual Project: Jan 2020 – Feb 2020*

- Provided foreign exchange prices through webscraping, providing users with a tool for trading inquiries.
- Use Autoregression model to predict the direction of foreign exchange.

Deep Learning in Medical Imaging to Grade Inflammation Severity

*Taipei University / Member: Jan 2018 – May 2019*

- As a team of 4, cooperated with Linkou Chang Gung Memorial Hospital to automatically identify and classify medical images with machine learning.
  - Utilized FRCNN to preprocess the ultrasonic images and utilized CNN analyze and predict the inflammation severity.
  - Proper documentation of our process was provided and successfully published by IEEE JBHI (Institute of Electrical and Electronics Engineers Journal of Biomedical and Health Informatics).
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## Skills

**Proficient in:** C++ | Python | HTML5 | JavaScript | CSS

**Experience with:** Linux | C/C# | Java | Git | SQL | PHP | MATLAB | TensorFlow | Machine-learning | Cypress | Selenium