

# 張晉璋 (Austin Chang)

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## EDUCATION

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**National Yang Ming Chiao Tung University, Hsinchu**

*August 2017 - June 2021*

*B.S., Department of Computer Science*

## WORK EXPERIENCE

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**Shopee**

Mar 2022 - Present

*Backend Engineer, Marketplace Logistics, Order Team*

*Singapore*

- Program in Golang under in-house microservice architectures.
- Design and develop services for business requirements about logistics options for buyers, sellers and products.
- Migrate services and APIs to adapt the quick evolving team structure.

**IT Center, Department of Computer Science, NYCU**

Jul 2018 - Jun 2021

*TA, part time*

*Hsinchu*

- Maintain the Linux workstations used by department members.
- Maintain internal utilities, scripts and RPM packages.
- Use Ansible and Windows AD to manage configuration and software installation for classrooms.

**Department of Applied Chemistry, NYCU**

Jul 2018 - Jun 2021

*Web Developer, part time*

*Hsinchu*

- Develop and maintain Wordpress based department website.
- Cooperate with UI team and build frontend theme in Vue.js.
- Build various Gutenberg editor blocks for site manager.
- Setup self hosted Drone CI for automated deployment to a VM hosted by IT Center.

## PROJECTS

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**鑑定助理 (BCA Assistant)**

A Building Condition Assessment app for Android

- This app help civil engineers to manage the assessment records and automate the document generation.
- Written in Kotlin with Electron/C# based desktop side software. The app is not available in Play Store.

**STM32L4-USART-IAP**

An Over-The-Air programming implementation

- Program the flash memory on the STM32L4 platform over the UART communication.
- The protocol imitates DFU mode and provides some more control command for the user.

**Implement New Kernel Features in FreeRTOS**

- Build and run FreeRTOS on TI MSP430 platform.
- Visualize the behaviour of kernel events.
- Implement Priority Ceiling Protocol(PCP) and Early Deadline First(EDF) algorithms in FreeRTOS.

**Personal Blog: <https://blog.austint.in>**

- The personal blog built with a static site generator written by myself.
- Developed a Nextcloud plugin to manage the images hosted on the site.

## COMPETITIONS AND AWARDS

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<b>2020 Google Code Jam 1A</b>	<i>Ranked 987/8985</i>
<b>2018 ACM ICPC Asia Taipei Regional Contest</b>	<i>Ranked 15/107</i>
<b>2017 ACM-ICPC Asia Jakarta Regional Contest</b>	<i>Ranked 24/80</i>

## TECHNICAL SKILLS

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<b>Programming Languages</b>	C, Golang, C++, JavaScript, Python
<b>Web Frameworks</b>	Vue.js, Gin, Wordpress plugin and theming
<b>Embedded System</b>	ARM Cortex-M4, TI MSP430, Xilinx Artix-7
<b>Others</b>	MySQL, Redis, Gitlab CI, Linux, Git, Docker, Shell scripting