Marco Siu-Ho TAM

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Education

The Hong Kong University of Science and Technology *Hong Kong*
Bachelor of Engineering in Electronic Engineering, Minor in Information Technology *Sep 2022 - Current*

Experience

HKUST SPARK Lab *Hong Kong*
Research Assistant *Jan 2024 - Current*
- Develop a classless qdisc linux kernel module improving the performance of the network
- **Technical Skills:** OpenWrt, Linux Kernel Programming, C

Wistkey Limited *Hong Kong*
Internship Software Developer *Jun 2023 - Aug 2023*
- Frontend Developement
- Integrate the frontend and backend and develope a report system by using VueJS and BootstrapVue
- **Technical Skills:**: VueJS, NodeJS, Git, JavaScript, BootstrapVue
- **Soft Skills:** Jira, Teamwork in a remote team, Self-learning

HKUST Robotics Team (Remotely operated underwater vehicle) *Hong Kong*
Electronic Engineer and Technical Coordinator *Feb 2023 - Current*
- Design and solder the PCB board for the remotely operated underwater vehicle (ROV)
- Design, create, deploy and maintain the team websites
- **Technical Skills:** Soldering, Design PCB, Altium Designer, Hardware debug, Docker, NextJS, GitHub Action, Canva.
- **Soft Skills:** Server Maintenance, Web Development, Presentation, Project Management.

Projects

File Compare Website *Hong Kong*
Self-Project *2023*
- Show the differences between the files with git diff style
- Website: `https://file-diff.marcotsh.com/`
- Source code: `https://github.com/mad-hin/file-diff-comparer`
- **Technical Skills:** NextJs, Tailwind CSS.

Skills

Programming	Python, C, C++, HTML/CSS, JavaScript, Matlab, Octave, Typescript, Java
Related Skills	OOP, Google Colab, GitHub, WSL, Altium Designer, NextJS, Tailwind CSS
Miscellaneous	Shell (Bash/Zsh), $\LaTeX$/(Overleaf), Git.
Operating System	Windows, macOS, Linux (Current main OS)

Achievements

2024	**Merit Award,** Hong Kong Techathon+ 2024	*Hong Kong*
2023	**1-st Runner Up,** VRX Competition 2023	*Online*
2023	**Champion,** The 18th IET/MATE Hong Kong Regional of the ROV Competition	*Hong Kong*

Languages

Cantonese	Native proficiency
English	Professional proficiency
Mandarin Chinese	Fluent