Wu, Po-Yao

2025 CV

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WORK EXPERIENCE

Phison Electronics Corp.   Taipei, Taiwan
Firmware Engineer, Flash Translation Layer (FTL) Developing   *May. 2022 – Present*

- **Trim Flow**: Inter Process Communication, Data Deleted by Fast Algorithm.
- **Sanitize Flow with Power Cycle**: Delete Whole Data Completely with Handling Interrupted by Power Cycle.
- **Namespace Management**: Maintain Multiple Namespace in Disk, Inter Process Synchronization.
- **Verification Design and Implement**: Design Unit Test Cases, Implement by Shell Script, Data Parsing by Python.
- **ARM ICE Debugging**: Solving Bugs by Analyzing CPU Variables and Data in Disks.
- **The NVM Express (NVMe) Specifications Study**: Knowing Overall Features in Memory Controller.

National Cheng Chi University   Taipei, Taiwan
Software Engineer, Project Manager   *Feb. 2021 – Nov.2021*

- **Project**: Science and Technology Art Creation Project of the Ministry of Culture – Control Center.
- **Collaborate Team**: HIWIN Technologies Corp. & Industrial Technology Research Institute.
- **System Design**: Unity integrated with SteamVR & HIWIN Six-Axis Robot SDK & OBS 360 video streaming.
- **Exhibition**: 17th Athens Digital Arts Festival; Oct. 2021; Athens, Greece.

National Tsing Hua University   Hsinchu, Taiwan
UX Designer, Project Manager   *Feb. 2020 – Nov.2020*

- **Project**: Science and Technology Art Creation Project of the Ministry of Culture – Digital Authoritarianism.
- **Interaction Design**: Designed website & Introduced audiences to interact with audio-visualized VR objects.
- **Exhibition**: Microwave International New Media Arts Festival; Oct. 2020; Hong Kong, China.

NetDragon Websoft Inc.   Fuzhou, China
Researcher, Summer Intern   *Jul. 2017 – Aug.2017*

- **Wwise SDK**: Researched Wwise SDK & Implemented integration on Unity Engine.

EDUCATION

National Tsing Hua University   Hsinchu, Taiwan
Master of Art and Emerging Technology; Graduate GPA: 4.17/4.3   *Sep. 2018 – Dec. 2020*

- **Thesis**: The Clones under Speed: Aesthetic Research on A.I. Generated Images.
- **Research Contents**: Internet of Things, Artificial Intelligence, Interactive Art, Media Studies.

National Tsing Hua University   Hsinchu, Taiwan
Bachelor of Computer Science; Graduate GPA: 3.63/4.3   *Sep. 2014 – Jun. 2018*

AWARD

National Art Exhibition R.O.C. - New Media Arts Gold Prize   Taichung, Taiwan
Artwork "Terms of Being Used" exhibited at National Taiwan Museum of Fine Arts.   *July. 2022*

Dr. I-Chi Mei Memorial Medal   Hsinchu, Taiwan
Award description: The highest honor for National Tsing Hua University graduates.   *Jun. 2018*

ADDITIONAL INFORMATION

- **Skills**: C, C++, Shell Script, Python, Git, Linux Driver, Unity, Embedded System