張傑程
Jie-Cheng Jhang

Software Engineer

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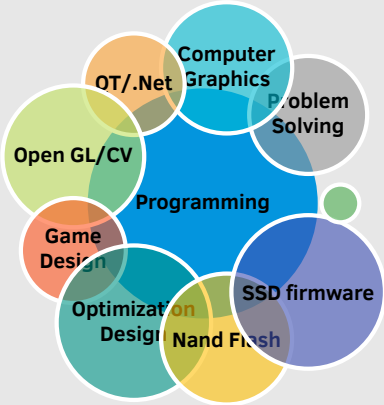- 🌐 tobygameac.github.io
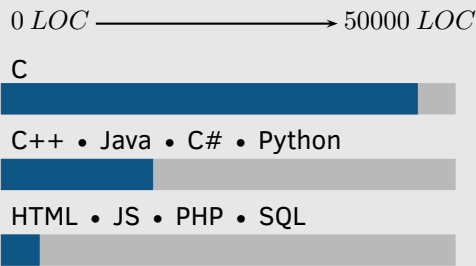- ✉️ tobygameac.tw@gmail.com
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Skills

Overview

Programming

$0\ LOC \longrightarrow 50000\ LOC$

C

C++ • Java • C# • Python

HTML • JS • PHP • SQL

Projects

Please click the project name to view the demo / detail.

Treasure Defender - An augmented reality tower defense game
Stock Tools - A TWSE data fetching program
Billiards simulator / AI
Wound Segmentation
3D Horror Maze - A Maze generation algorithm + a horror game
Vocabulary Learner
Nano TD - A tower defense game
Ghost Defense - A shooting game

Education

2015 - 2017	**MS., Computer Science**	National Cheng Kung University, Taiwan
	Grade : 93.89	

2011 - 2015	**BS., Computer Science**	National Dong Hwa University, Taiwan
	Grade : 93.40 CS Major, 87.00 Overall	

Experience

Apr 2022 - Present — **Software Engineer** — Google
- Platforms, Cloud

Jan 2021 - Apr 2022 — **Software & Firmware Supervisor** — Phison Electronics Corps.
Main Projects: PS502X
- Lead a team of engineers to develop SSD-related software and firmware
- Design and implement firmware architecture to improve portability across multiple generations of SSD controllers
- Implement automated testing and CI/CD processes to improve firmware quality
- Provide solutions to improve quality or to reduce cost of the SSD manufacturing line
- Cooperate with various teams from both Phison and customers

Nov 2020 - Jan 2021 — **Software & Firmware Deputy Supervisor** — Phison Electronics Corps.
Main Projects: PS5019/PS5020
- Design and implement firmware architecture to meet new customer requirements

Sep 2017 - Nov 2020 — **Software & Firmware Engineer** — Phison Electronics Corps.
Main Projects: PS3111/PS5013/PS5019
- Develop SSD-related software and firmware
- Develop algorithm to demonstrate reliability of the SSD

Programming Contests

2013 — **Advanced to round 2** , Google Code Jam — link
World 1723 / 21273 (8%)

2013 — **1st place**, NDHU Programming Contest

2013 — **Rank 2 / 819 (0.2%)** , College Programming Exam — link

Master's Thesis

3D Reconstruction from a Single Image with Duplicate Objects via Template Models, Prof. Tong-Yee Lee

Demo videos: video1 video2

Awards

2015 — **Honorary member of The Phi Tau Phi Scholastic Honor Society**

2012-2015 — **Outstanding Academic Performance (Presidential Award)** $\times$ **5**