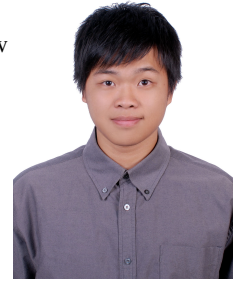


Bo-Wei Lu

300 Zhongda Rd., Taoyuan City, IPVR || 0937794074 || Email: portran@g.ncu.edu.tw

Summary

Hands-on experience with Embedded System Design, Paint and Welding Robot
Proficient in C++, Python, Android and iOS development, HTML, CSS, Linux
Outstanding communication skill, self-motivated in quickly changing environment
Github for all projects: <https://github.com/zxspring21>



Education

M.S. Computer Science and Information Engineering, National Central University, Taoyuan, Taiwan, 2015-2017
GPA: 3.36

B.S. Computer Science and Information Engineering, National Kaohsiung University of Applied Sciences, Kaohsiung, Taiwan, 2011-2015
GPA: 3.48

Experience

Research Assistant, NTU, Taiwan *July. 2018 – Sep. 2019*

Project: Developing innovative consensus protocols and integrating decentralized blockchain

- Cross Chain with mixing POW and POS

Software Engineer, HTC, Taiwan *Dec. 2017 – July 2018*

Project: Android Radio Interface Layer (RIL) and Network Core architecture development

- Solving problems which occurred from modem, framework, network and kernel or others by analyzing different logs and improving performance in hardware
- U11 and U12 projects development and codebase upgrade and maintenance
- 5G, AI, Blockchain research and development
- Cooperating with Qualcomm, Google, and HTC members intensively to achieve innovative ideas

Management Information System Engineer, National Central University General Affairs *Sep. 2015 – Aug. 2017*

Project: Managing online-reservation system and planting on campus system in Linux servers

- Updating website information and managing errors or problems occurred from different situations
- Using PHP, Javascript, HTML, CSS and SQL grammars to maintain the system operations

Independent Developer, Taipei, Taiwan *Jul. 2010 – present*

Project: Shepherd boy in Virtual Reality application with cellphone and multi-sensors fusion

- Developing the animation scene with Maya and design the actions by moving targets using C# in Unity3D
- Combining with attitude sensor MPU6050 and using cardboard to control user's behavior in Mobile VR

Project: Unmanned Rescue Ship with C

- Designing the path planning method with GPS module with C in LinKit ONE development board
- Designing the ship drawing with AutoCAD 3D Printing and hardware layout in vehicle
- Using propellers and plastic bags to implement thrust reverser principle in amphibious vehicle

Project: Order Management System App in Android System

- Using MVC for Android and improving the UI and UX design in App
- Integrate database and user's input and performance optimization for Android

Statistical Seminar Researcher Intern, Institute of Statistical Science Academia Sinica, Taipei, Taiwan

Jul. 2015 – Aug. 2015

Project: Statistical conference seminar

- Finding different distributions and regression by integrating statistical theories to analyze patient information.
- Getting merit award from the contest of medical science application in statistical science

Publication

Bo-Wei Lu, "Obstacle detection and collision avoidance for multi-copters," in Proc. National Central University Electronic Theses & Dissertations, Aug, 2017.