Bo-Wei Lu

No. 49-4, Ln. 167, Renyi St., Sanchong Dist., New Taipei City, Taiwan

(886) 937794074 || Email: zxgpkm@gmail.com

Summary

Proficient in C++, Python, Web, Android and iOS DevOps

Hands-on experience with OOAD, Agile Software Development and Design Patterns

Outstanding communication skill, self-discipline, self-motivated in various environment

Personal Website: zxspring21.github.io

Education

M.S. Computer Science and Information Engineering, National Central University, Taiwan, *Sep. 2015 – Aug. 2017*

GPA: 3.36

B.S. Computer Science and Information Engineering, National Kaohsiung University of Applied Sciences, Taiwan,

Sep. 2011 – Jun. 2015 **GPA: 3.48**

Experience

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

Project: Researching and writing papers in BlockChain and machine learning topics

- Developing infrastructure in consensus protocols, Ethereum smart contracts and distributed ledger technologies
- Improving Cryptography and Cryptocurrency approach and implementing keys and addresses in C++
- Implementing Bitcoin transactions, blocks, mining and blockchain in applications

Software R&D Engineer, HTC RIL, Taiwan   *Dec. 2017 – July 2018*

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

- Wireless communication protocol (2G/3G/4G/5G), kernel network driver and Blockchain study and development
- Coding and debugging Android RIL and network protocol (TCP/IP, UDP, IP, Netfilter, etc.) features and issues
- HTC U11 and U12 Android smartphone projects development, codebase upgrade and maintenance
- Framework java code implementation over CS and PS functions

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

- Utilizing front-end (HTML, CSS and JS) and back-end languages(PHP, Python and SQL) to maintain systems
- Reconstructing RDBMS and MVC architecture to boost web efficiency and scalability
- Reforming RWD and SEO to strengthen UX and compatibility
- Ameliorating information security issues and fixing bugs

Statistical Researcher Intern, Institute of Statistical Science Academia Sinica, Taiwan   *Jul. 2015 – Aug. 2015*

Project: Statistical conference seminar

- Statistics in Machine Learning(supervised/unsupervised learning, etc.) and Big Data research and application
- Utilizing data mining (clustering, classification, regression, etc.) and statistical theories(ANOVA, Chi-squared test, etc.) to present data visualization by R and Python languages

Achievement

- Certificate of International Short Courses on Application Processors Design, The 49th Annual IEEE/ACM International Symposium on Microarchitecture, Taiwan   *Oct. 2016*
- HackNTU iOS and IoT certificate of course completion, NTU, Taiwan   *Jan. 2016*
- Merit award from the contest of medical science application in statistical science, Institute of Statistical Science Academia Sinica, Taiwan   *Jul. 2015*
- Third in the National Technical Competition, Taiwan   *May 2011*

Publication

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