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| **CHIA-YING LIN** | | | | | | **￭ E-mail:** chiayingl@imslab.csie.ncku.edu.tw  **￭ Website:** https://zeroplusone.github.io/ | | **￭ Linkedin:** chiayinglin  **￭ Github:** zeroplusone | | | | | |
| **Education** | | | | | | | | | | | | | |
| **Ph.D. of Computer Science and Information Engineering** | | | | | | | National Cheng Kung University | | | | | | Sep. 2015 - present |
| * Conduct researches in Intelligent Mobile Service Laboratory about the Mobile Networks with SDN and IoT. * Relevant Courses: Computer System and Network Administration (FreeBSD), Software design, Database Management System, Design of Smart Sensing Cloud System and Application. **GPA:** **4.3** out of 4.3 | | | | | | | | | | | | | |
| **Bachelor of Computer Science and Information Engineering** | | | | | | | National Cheng Kung University | | | | | | Sep. 2011-Jun. 2015 |
| * Developed a parking spot guidance service Android application and deployed a server to execute *OpenCV* image recognition for Undergraduate project * Received Academic Excellence Award every school year and rank in class. **GPA: 3.93** out of 4.0 | | | | | | | | | | | | | |
| **experience** | | | | | | | | | | | | | |
| **Teaching Assistant** | | | | | **Android Application Development Course** | | | | | | | | Feb. 2019-Jun. 2019 |
| * Wrote tests on continuous integration platform to grade homework * Assisted 100 students to complete their android application final projects | | | | | | | | | | | | | |
| **Visiting Graduate Research** | | | | **University of California, Los Angeles, U.S.A.** | | | | | | | | Mar. 2018-Jan. 2019 | |
| * Implemented simulation of demand-driven cache allocation by using Icarus * Studied resource management in heterogeneous mobile networks | | | | | | | | | | | | | |
| **Short Term Researcher** | | **RWTH Aachen University, Germany** | | | | | | | | | | Jul. 2017-Aug. 2017 | |
| * Surveyed and evaluated synchronized neighbor discovery scheme by discrete-event simulation | | | | | | | | | | | | | |
| **Summer Intern** | | | | **YAHOO!, Taiwan** | | | | | | | **Jul. 2016-Aug. 2016** | | |
| * Designed real-time monitoring dashboard system for internal usage * Used *Bootstrap* to implement responsive website based on *Django* framework | | | | | | | | | | | | | |
| **Teaching Assistant** | | | **SDN/NFV Core Network Course** | | | | | | | | **Sep. 2015-Jan. 2016** | | |
| * Lectured four hands-on courses about *Mininet*, *Ryu*, *OpenDaylight* and *OpenWrt* * Held weekly office hours and graded assignments for 80 students | | | | | | | | | | | | | |
| **Summer Intern** | **HTC, Taiwan** | | | | | | | | | **Jul. 2015-Aug. 2015** | | | |
| * Wrote *JUnit* tests for multimedia features and used*Jenkins* for automated test pipeline * Cooperated with other interns and won place in VR proposal competition | | | | | | | | | | | | | |
| **Lecturer** | **Competitive Programming Course** | | | | | | | | **Feb. 2015-Jun. 2015** | | | | |
| * Lectured data structures, binary search, range query, trees, and etc. for 15 students * Held ACMarathon and led winning teams to participate ACM-ICPC | | | | | | | | | | | | | |
| **skills** | | | | | | | | | | | | | |
| * **Technical skills: C, C++, Java**, Android APP development, Git, SQL, Python, Linux shell script (**GitHub**: zeroplusone) * **Language:** Mandarin (native speaker), Taiwanese (native speaker), English (fluent) | | | | | | | | | | | | | |
| **awards** | | | | | | | | | | | | | |
| * 2018 **Google Code Jam to I/O for Women Top 150** * 2018 WeTech **Qualcomm** Global Scholars * 2017 **Grace Hopper Celebration** of Women in Computing Scholarship(accept rate: 657/4000=**16.4%**) * The , place in **ACM-ICPC** Asia 2014 Taichung and 2013 Chiayi regional, respectively | | | | | | | | | | | | | |
| **PUBLICATIONs (4 journals, 5 conferences, only first author listed)** | | | | | | | | | | | | | |
| * C.-Y. Lin, H.-L. Chang, M.-T. Wu, Y.-Z. Cai, Y.-T. Wang, L.-A. Chen, M.-H. Tsai and R.-S. Liu, **Reducing Signal Overload by Disconnection Tolerant Voice Service in Heterogeneous Networks** IEEE Access, 7: 332-346, 2019 (SCI/EI) (IF 2016: 3.244, Rank: 27/146=18.5%, Category: Computer Science, Information Systems) * C. Y. Lin, Y. L. Lu, M. H. Tsai and H. L. Chang, **Utilization-based parking space suggestion in smart city**, *2018 15th IEEE Annual Consumer Communications & Networking Conference (CCNC), Las Vegas, NV, 2018* * C.-Y. Lin, H.-W. Kao, M.-H. Tsai and H.-L. Chang, **Gateway-Assisted Two-Stage Radio Access for Machine Type Communication in LTE-Advanced Network**. *Computer Communications* (IF 2016: 3.338, Rank: 23/146=15.8%, Category: Computer Science, Information Systems) * C.-Y. Lin, W.-P. Tsai, M.-H. Tsai and Y.-Z. Cai, **Adaptive Load-balancing Scheme Through Wireless SDN-based Association Control** *Proceeding of the 31th IEEE International Conference on Advanced Information Networking and Applications* *(AINA'17), Taipei, Taiwan*, March 2017  (Accept Rate: 29%) | | | | | | | | | | | | | |