

CHIH-CHENG REX YUAN

hello@rexyuan.com

EDUCATION

National Taiwan Normal University	2014 - 2019
<i>B.S. in Computer Science and Information Engineering</i>	
FLOLAC Summer School at National Taiwan University	2017, 2018, 2019
CONFESTA Summer School at University of Chinese Academy of Sciences	2018

EXPERIENCE

SiFive	2022 - Present
<i>Hardware Engineer</i>	
· System validation of regression automation tools in Bash and Perl.	
Formal Land	2022
<i>Software Engineer</i>	
· Formal verification of the OCaml codebase of Tezos blockchains protocol in Coq.	
Institute of Information Science, Academia Sinica	2019 - 2022
<i>Research Assistant</i>	
· Developed and optimized bit-level hardware verification safety algorithm based on algorithmic boolean learning and logical interpolation in C++ with minisat.	
Institute of Information Science, Academia Sinica	2017 - 2019
<i>Adjunct Research Assistant</i>	
· SAT-solving reduction of poset cover problem for message sequence chart synthesis implemented in Python with z3.	
· NP-hardness of k-anonymity checking problem and a randomized approach thereof for the 2010 Taiwanese census data implemented in Python with MySQL.	
Inside.com.tw	2016
<i>Software Engineering Intern</i>	
· Back-end WordPress theme development in PHP. Collaborated with an external front-end team.	
· News feed delivery Facebook chatbot made with off-the-shelf software.	
· Internal editor UI/UX feature requests fulfillment and manual writing for the editorial team.	
Inside.com.tw	2015
<i>Editorial Intern</i>	
· Interview and research coverage on Taiwanese technology and start-up scenes.	
· Translation and localization of external drafts and press releases from en to zh.	

AWARDS & CERTIFICATES

Academic Excellence Award	2016
<i>Ranked top 5% in a class</i>	
TOEFL iBT	2016
<i>Score: 108 (Reading: 29 / Listening: 30 / Speaking: 22 / Writing: 27)</i>	
TOEIC	2013
<i>Score: 960 (Reading: 480 / Listening: 480)</i>	