CHIH-CHENG REX YUAN

hello@rexyuan.com

EDUCATION

National Taiwan Normal University   **2014 - 2019**
B.S. in Computer Science and Information Engineering

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**
Hardware Engineer
· System validation of regression automation tools in Bash and Perl.

Formal Land   **2022**
Software Engineer
· Formal verification of the OCaml codebase of Tezos blockchains protocol in Coq.

Institute of Information Science, Academia Sinica   **2019 - 2022**
Research Assistant
· 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**
Adjunct Research Assistant
· 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**
Software Engineering Intern
· 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**
Editorial Intern
· 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**
Ranked top 5% in a class
TOEFL iBT   **2016**
Score: 108 (Reading: 29 / Listening: 30 / Speaking: 22 / Writing: 27)
TOEIC   **2013**
Score: 960