

# KUO-CHUAN WU

Algorithm / Data / Software Engineer



## CONTACT

kuo.chuan.wu@gmail.com

0952-502037



## PROGRAMMING SKILLS

Python, NoSQL, C/C++, Java, PHP,

MySQL, HTML, JavaScript



## EXPERTISE

Machine Learning

Data Science

Bioinformatics

Biomedical Informatics

Optimization Algorithm

Fingerprint Recognition

Image Signal Processing

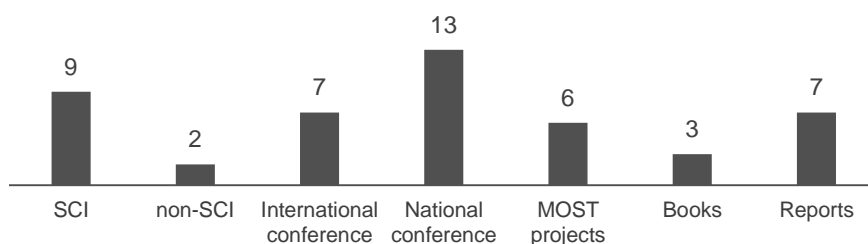


## ABOUT ME

- Being passionate for works, enthusiastic for team members, curious for new technologies and optimistic for life are my philosophy of Life.
- Project leader engineer, section manager and software engineer with 6+ years of experience in project management and algorithm/software/website development skills.
- Possesses a Ph.D and a M.S. Degree in Computer Science, learnt cross-domain multidisciplinary collaboration, academic research, problem-solving ability, programming skills.
- Expert with AI and Machine Learning more than 10 years of experience in Optimization Algorithm, Data Science, Bioinformatics and Computer Vision.



## PUBLICATION OF WORKS



## EXPERIENCE

2020.02 Present **Project Leader Engineer / Dept. of IT R&D / Advanced Semiconductor Engineering, Inc.**

1. Patent analysis for production prediction  
project management / web crawler / keyword extraction / deep learning / domain knowledge study / website creation
2. Cycle time prediction from work order  
project management / data cleansing / machine learning / regression model / data visualization / website creation

2018.11 2020.01 **Section Manager / Dept. of Fingerprint algorithm / Focaltech Smart Sensors Co., Ltd.**

1. Under-display fingerprint biometrics for OLED mobile  
section management / image preprocessing / minutiae extraction & matching / keypoint descriptor extraction & matching
2. Under-display fingerprint biometrics for LCD mobile  
deep learning model / image signal processing / matching algorithm / distortion correction / calibration algorithm

2015.04 2015.09 **Workshop lecturer / College of Technology and Design / Toko University**

2015.02 2015.07 **Adjunct Lecturer / Dept. of Digital Multimedia Design / Tajen University**

2012.03 2015.04 **Software engineer / GM office / Cooky's Digital Park Ltd.**

Finished 8 projects for obtaining budget subsidy about 10 million NTD



## EDUCATION

2010.08 2018.06 **Ph.D. of Engineering in Electronic Engineering, National Kaohsiung University of Science and Technology, Kaohsiung, Taiwan**

2008.08 2010.06 **Master of Engineering in Computer Science and Information Engineering, National Kaohsiung University of Applied Sciences, Kaohsiung, Taiwan**

2003.08 2008.06 **Bachelor of Engineering in Electronic Engineering, National Kaohsiung University of Applied Sciences, Kaohsiung, Taiwan**