



Sean C.H. Lin

RF Testing S/W Developing Engineer · Algorithm Developing Engineer ·
Automated Program Developing Engineer · Physiological Signal Processing
Engineer · Data analyst · Researcher

English Resume: <http://bit.ly/2IWmoMa>

English C.V.: <http://bit.ly/2IKOxP6>

Traditional Chinese C.V.: <http://bit.ly/2KJau2M>

Simplified Chinese C.V.: <http://bit.ly/2KOFBKG>

Linkedin: <https://www.linkedin.com/in/sean-c-h-lin-143b4211b/>

My current job title is deputy project manager. My first expertise is developing automated test/verify program for wireless technologies. For example: WiFi 802.11 a/b/g/n/ac, BT/BLE, FM/RDS(Radio Data System), GPS and NB-IoT. Enhancing program and optimizing flow are also included. My second expertise is in Bio-ICT field with image process, physiological information process and machine learning. My master thesis is to present a system for measuring heart rate and blood pressure by using off the shelf webcam only.

Personal Information

Name: Chun-Hao Lin (Sean)

Gender: Male

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Education

National Chiao Tung University, Hsinchu, Taiwan

2013/09 - 2017/09

Institute of Electrical and Control Engineering

Master degree

Feng Chia University, Taichung, Taiwan

2003/09 - 2007/09

Department of Information Engineering and Computer Science

Bachelor degree

Familiar Domains

Wireless Technologies, Automation Verification/Testing, Data Analysis, Bio-ICT, Image Processing, Machine Learning

Professional Skills

Language

English
Mandarin

Developing Tools

Developing Environment:
Windows, Ubuntu, macOS

Computer Language:

1. C/C++ (10 years)
2. Matlab, OpenCV in physiological info. domain (4 years)
3. Qt framework (4 years)
4. Python (2 years)
5. Oracle SQL (1 years)

Experience

1 Distinguished Professor Bing-Fe Wu's CSSP Lab, ECE, NCTU · Master Student · September 2013 - September 2017

1. Image process in BioICT filed.
2. Developing algorithm for using image only to detect vital sign - heart rate.
3. Developing algorithm for using image only to estimate vital sign - blood pressure.
4. Developing program to access and abstract data from open physiological database.
5. Establishing private physiological database.
6. Apply machine learning in physiological info. field.
7. Developing algorithm in Matlab and speed up by rewriting it in C/C++.



2 Azurewave Inc. · Deputy Project Manager · March 2014 - now

1. Developing 1st version program of verification/testing PLC (Power Line Communication) product.
2. Developing program of verification/testing NB-IoT.
3. Co-work with IT and consulting firm to phase in factory 4.0 .
4. Internal source code version control system research/verification/phase in (Git for server and client side both).
5. Reviewing source code, release program and documents.
6. To hold internal training by H/W and S/W demand.



3 Azurewave Inc. · Senior Engineer · March 2011 - February 2014

1. Developing log parser and statistic tool for monitoring product quality.
2. Co-work with test line to build shop floor.
3. Developing program of verification/testing Marvell IoT(Internet of Things) platform.
4. ATE(Automatic Testing Equipment) developing, maintaining and flow optimizing.
5. To join Apple iMac Pro wireless module project. (be responsible for verification and testing part).



4 Azurewave Inc. · Engineer · October 2008 - February 2011

1. Be familiar with DVT-EVT-PVT-MP product develop flow.
2. Developing 1st version program of verification/testing FM/RDS technologies product.
3. Developing 1st version program of verification/testing GPS technology product.
4. Developing program of verification/testing Broadcom WiFi/BT IC.



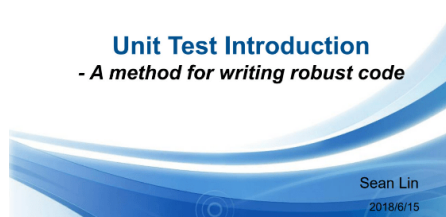
5. SLT Handler(System Level Test Handler) verification, debugging, phasing in and mass deployment.
6. To join the project of wireless SiP(System in Package) module manufacturing.

Recent Projects



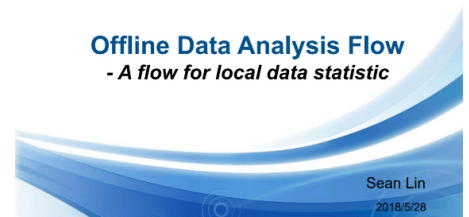
Internal Training 1

In this internal training, I present WiFi RF signaling test method and flow. The comparison data of signaling and non-signaling are also included. Finally, I share some troubleshooting tips in signaling test.



Internal Training 2

In this internal training, I present a software skill called unit test and apply it to current NB-IoT project with Python language.



Internal Training 3

In this internal training, I show the flow and related tool which design by me for H/W to statistic each test item and draw its graph. By this, it will reduce H/W loading in DVT stage.

基於遠距離體模攝攝儀的無袖袋影像血壓計
Cuffless Image Blood Pressure Monitor by Remote-PPG



Master Thesis

Developing a system by using computer vision and several algorithm to achieve "measuring blood pressure remotely and cufflessly with off the shelf webcam".

Reference

Name: Professor Bing-Fe Wu

Department: Institute of electrical and control engineering, National Chiao Tung University, Hsinchu, Taiwan

Title: Distinguished Professor (IEEE SMC Fellow)

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