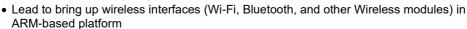
# Wei-Chen Chen

Open to senior developer roles in domain including system infrastructure, backend, or data storage

### Experience

### System Software Engineer

Devicebook, Bellevue, WA, USA





• Design embedded system with Yocto Project and stabilize Linux kernel for product

#### Software Engineer II

Microsoft, Redmond, WA, USA

 Developed 5G network features for kernel MBIM driver and contributed to Wireshark opensource project regarding MBIM protocol parser



2016 - 2020

• Refactored cellular network emulation framework by exposing Interoperability between C++ and C# such that it empowers internal developer teams to improve test coverage to >90%

• Designed and improved Windows WinRT API for Mobile Broadband

#### Software Engineer Intern

Google, Mountain View, CA, USA

 Developed machine learning model to recognize the indoor significant Wi-Fi footprint with low recall (~80%) and high precision (>90%)

#### Summer 2015

Google

## **Graduate (Teaching/Research) Assistant**

University of Wisconsin-Madison, Madison, WI, USA

**Teaching Assistant** 

Served in the data structure course at Epic System for training engineers

# 2014 - 2016 WISCONSIN

#### Research Assistant

• Involved in a research of large-scale literature corpus data modeling and visualization

#### Research Assistant

Intel-NTU Connected Context Computing Center, Taipei, Taiwan

 Implemented real-time systems, which Integrated heterogeneous system components such as wireless sensor network devices, actuators, and servers

 Designed the web interface for information visualization and user feedback collection in an interactive smart home environment

## 2012 - 2014(intel)

# **Education**

#### University of Wisconsin-Madison

Master of Science - Computer Sciences



#### **National Taiwan University**

Bachelor of Science - Computer Science and Information Engineering



#### **Skills Programming**

C, C++ (Modern C++11/14/17), C#, Java, Python, JavaScript, Rust

# **Platforms**

**Presidential Award** 

Linux, Mac OSX, Windows, Embedded System

# Framework/Tools/Domain Knowledge

Git, Jenkins, gRPC, WSL, Network Protocols

#### 2014

#### Hong-Wen and Cheen Liao Graduate Scholarship

Granted by University of Wisconsin-Madison

2009

Ranked within the top 5% GPA in the CS Dept. of National Taiwan University

# **Publications**

**Honors** 

Context-Aware Energy Saving System with Multiple Comfort-Constrained Optimization in M2M-based Home Environment

Ching-Hu Lu, Chao-Lin Wu, Mao-Yuan Weng, Wei-Chen Chen, and Li-Chen Fu IEEE Transactions on Automation Science and Engineering, vol.PP, no.99, pp.1, 2015

An Efficient Data Storage Method of NoSQL Database for HEM Mobile Applications in IoT Wei-Chen Chen, Ya-Hung Chen, Chao-Lin Wu, and Li-Chen Fu IEEE International Conference on Internet of Things, 2014

Anticipatory Reasoning for a Proactive Context-aware Energy Saving System Chao-Lin Wu, Wei-Chen Chen, Ching-Hu Lu, and Li-Chen Fu IEEE International Conference on Internet of Things, 2014