

Yuefeng Wu

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Boschdijk 17K, 5612 HA, Eindhoven, The Netherlands
Born on **Nov. 16th, 1992** in **Tieling, Liaoning, China**

Education

- M.Sc.** | Eindhoven University of Technology, Eindhoven, The Netherlands
Aug. 2017 | **Specialty : Embedded Systems, GPA : 8.11/10**
Aug. 2015 | Exit university of EIT Digital Master School
- M.Sc.** | KTH, Royal Institute of Technology, Stockholm, Sweden
Aug. 2017 | **Specialty : Embedded Systems, GPA : 4.62/5**
Aug. 2015 | Entry university of EIT Digital Master School
- B.E.** | Tianjin University, Tianjin, P.R.China
July 2015 | **Specialty : Communication Engineering, GPA : 3.73/4, Ranking : 8/106**
Sept. 2011 | Faculty : School of Electronic Information Engineering (SEIE)



Internships

- Aug. 2017* | **Master's Thesis Intern, imec NL, Eindhoven, The Netherlands**
Jan. 2017 |
 > Supervised by Dr. Anup Kumar Das, Prof. Dr. Francky Catthoor, and Dr. Ir. Bart Mesman.
 > Explore the communication mechanisms in neuromorphic computing.
 > Extend Noxim's functionality for the simulation and the performance evaluation of neuromorphic NoCs.
 > Explore the possibility to adapt the segmented-bus architecture to neuromorphic chips.
 > Research on cluster mapping strategies for neuromorphic architecture.

SystemC C++ Spiking Neural Network Network-on-Chip Noxim Python Mesh Network Segmented-Bus



- July 2015* | **Student Assistant, SEIE of Tianjin University, Tianjin, P.R.China**
Sept. 2012 |
 > Assisted student counsellors with daily affairs and maintained office computers.
 > Organised several student activities and summarised experience.
 > Explained knowledge points of professional courses to students who have learning difficulties.

Communication Skills Computer Maintenance Organisational Capabilities Knowledge Explanation



Extracurricular Activities

- Aug. 2016* | **Trainee, EIT Digital Summer School, London, The United Kingdom**
July 2016 |
 > Innovation and entrepreneurship training program on topic of health and wellbeing organised by EIT Digital.
 > Learned fundamental knowledge of financing, marketing, business analysis, and team management.
 > Conducted business model analysis for a sleep-enhancing app of a start-up company with my teammates.

Finance Marketing Team Building Business Analysis Presentation



- June 2014* | **Vice President, Student Association of Science and Technology in SEIE, Tianjin, China**
June 2013 |
 > Founded Department of Technical Support and set our goals and missions.
 > Planned and organised technical training sessions for students in our school to improve their professional level, and received considerable amount of positive remarks from teachers and students.
 > Organised internal activities to enhance the cohesion of our department.
 > Awarded Excellent Student Leader in the light of my efforts and devotion to this department.

Leadership Team Building Time Management Communication Skills Organisational Capabilities



</> Projects

Jan. 2017
Nov. 2016

IoT Broker of Smart Office Lighting System

- > The course project of Internet of Things.
- > Designed the overall architecture of the broker.
- > Implemented the app on Android for users to control lights.
- > Implemented the broker's HTTP interfaces to the building manager's server and the user app.
- > Integrated external applications, e.g. Avahi, Leshan, to the broker's program.
- > Co-debugged the program with the other group working on the server's application.

Java Linux Android IntelliJ Idea Maven GSON MongoDB Leshan (LWM2M) Avahi (mDNS/DNS-SD)
Mosquitto (MQTT) VirtualBox HTTP Protocol Git Team Collaboration

Sept. 2016
Nov. 2016

Design of Dynamic Channel Selection Mechanism

- > The course project of Networked Embedded Systems.
- > Designed and implemented the mechanism for IEEE 802.15.4 on Contiki OS.
- > Simulated the mechanism with Cooja Simulator and analysed the results.
- > Composed the project report in academic English.

C++ ContikiOS Cooja IEEE 802.15.4 Git L^AT_EX

Apr. 2016

Social-Networking App Based on Bluetooth Tags

- > A solution to the Fashathon held by Future Fashion to provide a creative method for social networking.
- > Proposed the initial idea based on the challenges and supplied components with the teammates.
- > Developed an Android app for demonstration in half a day.

Java Android Android Studio Bluetooth Team Collaboration

Mar. 2016
Feb. 2016

Digital Image Processing Application on Multiprocessor Platform

- > Laboratory work of Embedded Software.
- > Implemented gray-scale and edge detection algorithms on a penta-core platform.
- > Optimised the code and achieved the highest throughput in the class (almost three times as much as the passing standard).

C++ μ C/OS-II NIOS-II Multi-core Programming Real-time System Git L^AT_EX Eclipse

June 2015
Dec. 2014

Bachelor's Thesis : Security Mechanism Design for Wireless Networks and IoT Systems

- > Supervised by Prof. Zhigang Jin.
- > Designed a secured access authentication mechanism for wireless networks of IoT and mobile devices based on NFC.
- > Implemented a prototype for testing and demonstration with Android devices and CC2530 modules.
- > Awarded excellent graduation thesis.

C Java Android Linux NFC Wi-Fi ZigBee Eclipse Micro-controller Development

Professional Skills

Programming Languages : Java, C\C++, SystemC, C#, Python, LabView, Ada, Basic, Shell, Assembly, R
Programming Platform : Android, μ C/OS-II, Contiki OS, Linux, Microsoft Windows
Development Tools : Git, IntelliJ Idea, Visual Studio, Understand, Maven, Qt, MongoDB, GSON
Operating Systems : Microsoft Windows, Ubuntu Linux, Raspbian
Miscellaneous : Team Collaboration, L^AT_EX, VirtualBox, Microsoft Office, Computer Maintenance

Language

Mandarin ●●●●●
Dutch ●●○○○

English ●●●●○
Swedish ●○○○○

🏆 Awards

2015	Outstanding Graduates of Tianjin University	5%
2015	Excellence Nomination Scholarship from EIT Digital	Highest Level
2015	Top 10 Youth of SEIE	Highest Number of Votes
2014	National Scholarship for Undergraduates	0.2%
2013	Tan Xu Guang Scholarship of Tianjin University	20/20000+