Yuefeng **Wu**

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

🎓 Education

M.Sc. *Present* *Aug. 2016*	**Eindhoven University of Technology, Eindhoven, The Netherlands** Specialty : Embedded Systems, GPA : 8.5/10 Exit university of EIT Digital Master School
M.Sc. *July 2016* *Aug. 2015*	**KTH, Royal Institute of Technology, Stockholm, Sweden** Specialty : Embedded Systems, GPA : 4.62/5 Entry university of EIT Digital Master School
B.E. *July 2015* *Sept. 2011*	**Tianjin University, Tianjin, P.R.China** Specialty : Communication Engineering, GPA : 3.73/4, Ranking : 8/106 Faculty : School of Electronic Information Engineering (SEIE)

💼 Internships

Present *Jan. 2017*	**Master's Thesis Intern, imec NL, Eindhoven, The Netherlands** › 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 · CARLsim · Mesh Network · Segmented-Bus
July 2015 *Sept. 2012*	**Student Assistant, SEIE of Tianjin University, Tianjin, P.R.China** › 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 *July 2016*	**Trainee, EIT Digital Summer School, London, The United Kingdom** › 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 *June 2013*	**Vice President, Student Association of Science and Technology in SEIE, Tianjin, China** › Founded Department of Technical Support and set our goals and missions. › Planned and organised technical trainning 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` `LaTeX`

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++` `$\mu$C/OS-II` `NIOS-II` `Multi-core Programming` `Real-time System` `Git` `LaTeX` `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, μC/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, LaTeX, VirtualBox, Microsoft Office, Computer Maintenance

🇦 Language

Mandarin	● ● ● ● ●	English	● ● ● ● ○
Dutch	● ● ○ ○ ○	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+