

# DAIKAI TU

## Personal Information

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## Education Background

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### Zhejiang University [Sep 2014-Now]

- M.E., Information and Communication Engineering
- Major Lessons: Information Theory, Cloud Computing, Communication Networks, Stochastic Process and Queuing Theory, etc.

### China Jiliang University [Sep 2010-June 2014]

- B.E., Communication Engineering
- Major Lessons: Principles of Communications, Digital Logic Circuit, WCDMA Digital Wireless Communication, etc.

## Project Experience

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### The Application of SDN in Wi-Fi Networks [Apr 2016-Sep 2016]

- Project Introduction: SDN Controller manages the wireless network in a centralized way by the extended OpenFlow protocol. Alleviate interference between APs by configuring working channel in a dynamic way.
- Major Work: Define the extended wireless functions of OpenFlow and implement the extended OpenFlow protocol both in OpenFlow Controller and OpenFlow Agent.

### Seamless Handoff in WLANs Based on SDN [June 2015-March 2016]

- Project Introduction: Move most layer 2 functions of IEEE 802.11 to virtual AP and implement handoff management application in SDN Controller.
- Major Work: Realize the functions of virtual AP in Ubuntu and build the tunnel between virtual AP and physical AP.

## Internship

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### Huawei Technology Limited Company [July 2016-Sep 2016]

- Realize the receiving and sending of messages in a simulated C/S system based on Dobra.
- Learn about modules of BBU software platform and the initialization procedures of the single board.
- Participate in the software cost optimization project. Analyze the code of each module and give statistics.

## Professional Skills

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- **English Level:** CET-6 545
- **Programming Languages:** C/C++, Java, Python, MATLAB and Linux Shell
- **Programming Environment:** Win32 & Linux
- **SDN and Network Skills:** Familiar with Ryu, OpenDaylight and Floodlight SDN Controllers. Familiar with TCP/IP, CAPWAP, OpenFlow and IEEE 802.11. Familiar with OpenvSwitch.

## Awards and Honors

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- Dec. 2015 Award of Honor for Graduate, Zhejiang University.
- Oct. 2012 Third Class Prize of Undergraduate Higher Mathematics(Calculus) Competition, Zhejiang Province
- First Class Scholarship, China Jiliang University.(Three times)
- Second Class Scholarship, China Jiliang University.(Twice)
- Third Class Scholarship, China Jiliang University.(Once)