

# An Pan

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## EDUCATION

### NATIONAL UNIVERSITY OF SINGAPORE

#### MENG IN COMPUTER SCIENCE

June 2016 | Singapore

### DALIAN UNIVERSITY OF TECHNOLOGY

#### BS IN COMPUTER SCIENCE

June 2014 | Dalian, Liaoning  
School of Software

## LINKS

Github:// [andyafter](#)

## COURSEWORK

### GRADUATE

Advanced Topics in Computer Graphics  
Open Source Software Engineering  
Advanced Algorithms  
Optimizing Compilers Design  
Machine Learning

### UNDERGRADUATE

Information Theory  
Operating Systems  
Pattern Recognition  
Linux Operating System  
Database Systems  
Computer Graphics Basics

## SKILLS

### PROGRAMMING

Over 5000 lines:

C++ • Python •  $\LaTeX$

Over 1000 lines:

C • JAVA • JavaScript  
Emacs Lisp • Typescript

Familiar:

MySQL • Lisp • C# • Swift  
Intel SSE • Shell • CSS

### DEVELOPMENT

Platforms:

Android • iOS • ionic  
Unity 3D • CUDA

Web

Django • AngularJs • NodeJs  
Flask

## EXPERIENCE

### BOLTMEDIA | SOFTWARE ENGINEERING INTERN

Aug 2015 – Dec 2015 | BLK 71, Singapore

- Worked as full stack developer on business content sharing.
- BoltMedia received venture fund in Dec. 2015.
- Designed workflow and features with Django as backend. Implemented a set of restful APIs. Finished deployment of a demo project with Docker under AWS.
- Tested topic detection with LDA and cluster algorithms.

### SINOLENDING | SOFTWARE ENGINEER

June 2014 – Feb 2015 | Shanghai, China

- Worked in core development team in mainly Java and Javascript to design and develop a user behavior analysis backend.
- Implemented database features with Spark.

### SIDE PROJECTS | FULLSTACK

Jan 2016 – Dec 2016 | Singapore

- CoSpaceRobot competition organization website(Singapore Polytechnic).
- Web crawler for fashion products(Mozat).

### CRYPTOCURRENCY WORKSHOP | WORKSHOP STARTER

Dec 2013 – Feb 2014 | Dalian, China

- Raised money and setup multiple GPU rigs.
- Dockerized Linux environment for crypto-currency mining.

## RESEARCH

### SINGAPORE INSTITUTE FOR NEUROTECHNOLOGY | RESEARCH ASSISTANT

June 2016 – Present | NUS, Singapore

- Developed network communication engine with C++ QT.
- Interfaced robotics with a Virtual Reality CAVE.
- Visual servoing with reinforcement learning.

### WIRELESS NETWORK LAB(DUT) | UNDERGRADUATE RESEARCHER

July 2013 – June 2014 | Dalian, China

Developed a data compression algorithm based on LZW, aimed at fast data transmission between TelosB motes and mobile devices. Publication submitted. Conducted data flow measurement on the wireless network service of Dalian University of Technology. The measurement study was published at CCECE 2015.

## SELECTED AWARDS

2015	Honorable Mention	Singapore Monetary Authority Hackathon
2013	First Prize	ACM/ICPC, Dalian Section
2013	Honorable Mention	Mathematical Contest in Modeling(MCM/ICM)
2012	Meritorious Winner	Mathematical Contest in Modeling(MCM/ICM)
2011	First Prize	China University Mathematical Contest in Modeling

## SOCIETIES

2014	Horizon: Tech conference for students from 15 cities in China
2014	TEDxDUT event planner