

Xuandeng Fu

Curriculum Vitæ

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RESEARCH INTERESTS

My research interests lie in the whole area of computer science and its interdisciplinary disciplines, including but not limited to *quantum computation, algorithms, data structures, computational complexity, combinatorial optimization, microprocessor architecture, machine learning and mathematical finance*.

EDUCATION

University of Electronic Science and Technology of China

Chengdu, CHINA

Sep. 2016 - Present

- B.Eng. Student in Microelectronic Science and Engineering
- School of Electronic Science and Engineering
- *Recommended Postgraduate Candidate Exempt from Admission Exam*

Sichuan University

Chengdu, CHINA

Sep. 2013 - Jul. 2014

- [The Science Talent Program](#) in Computer Science
- Organizer: Children & Youth Science Center, China Association for Science & Technology
- Advisor: Prof. [Ningjiu Tang](#), Game Intelligence

HONORS AND AWARDS

- **Excellent Student Scholarship**, University of Electronic Science and Technology of China. *Dec. 2018*.
- **Silver Medal**, The 2018 ACM-ICPC **Asia-East Continent Final**. *Nov. 2018*.
- **Silver Medal**, The 2018 ACM-ICPC Asia Regional Contest (Xuzhou Site). *Oct. 2018*.
- **Gold Medal**, The 2018 ICPC China SiChuan Provincial Programming Contest. *Jun. 2018*.
- **Silver Medal**, 2018 China Collegiate Programming Contest - National Invitational Contest (Hunan). *May 2018*.
- **Honorable Mention** (Top 40%), 2018 COMAP's Mathematical Contest in Modeling® (MCM). *Feb. 2018*.
- **Global 81st Place** (Top 4%), IEEEExtreme Programming Competition 11.0. *Oct. 2017*.
- **Bronze Medal**, The 2017 ACM-ICPC Asia Regional Contest (Xi'an Site). *Oct. 2017*.

KNOWLEDGE AND COURSES

- **Mathematics**
 - Mathematical Analysis, Linear Algebra, Probability and Mathematical Statistics, Complex Function, Mathematical Methods for Physics
- **Physics**
 - Quantum Mechanics
- **Devices**
 - Course I, Course II, Course III, ...
- **Analog Circuits**
 - Course I, Course II, Course III, ...
- **Digital Circuits**
 - Course I, Course II, Course III, ...
- **Logic**
 - Course I, Course II, Course III, ...
- **Microarchitecture & Architecture**

- Course I, Course II, Course III, ...
- **Operating Systems**
 - Course I, Course II, Course III, ...
- **Application Software**
 - Course I, Course II, Course III, ...

PROJECTS

Web and iPad-based Informatized Detection and Report Auto-generation Platform

Team Co-Leader & Leading Developer

Mar. 2018 - Present

- did this thing
- did that thing

Multi-Platform Information Interaction System Based on Mobile Terminal

Team Leader & Leading Developer

Oct. 2017 - Apr. 2018

- College Student Innovation and Entrepreneurship Training Plan
- did something
- did another thing

Official Website of The 11th Shanghai College Chemistry Experiment Competition

Fullstack Developer

Feb. 2017 - Jul. 2017

- done

SKILLS

<i>Language</i>	Mandarin (Native), Written English (Proficient)
<i>Programming</i>	C/C++, JAVA, Javascript, Python, PHP, Verilog, VHDL, TikZ
<i>Protocols & APIs</i>	XML, JSON, RESTful, GraphQL
<i>Library</i>	Qt, TensorFlow (Keras), scikit-learn, SciPy (NumPy, Matplotlib, pandas, ...)
<i>Frameworks</i>	React, React Native, Vue.js
<i>Tools</i>	L ^A T _E X, git, vim, Xilinx Vivado, Kali Linux, curl, ...
<i>Databases</i>	MySQL, MongoDB, Redis
<i>Platforms</i>	Windows, Linux, Docker, Desktop, Web, iOS/Android, WeChat Applet

EXPERIENCE

2018 China Collegiate Programming Contest - Online Trial

Problem Writer

Aug. 2018

- Propose a Problem [HDU 6440 - Dream](#)

LINKS

<i>Blog</i>	https://blog.abreto.net
<i>Codeforces</i>	https://codeforces.com/profile/Abreto
<i>GitHub</i>	https://github.com/Abreto