Fang Han

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(734)-680-3913
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https://github.com/HanFa

OBJECTIVES

- To get enrolled in a summer research program from Prof. Ronald Dreslinski

EDUCATION & HONORS

UNIVERSITY OF MICHIGAN   **Ann Arbor, MI**
B.S.E Electrical Engineering Class of 2018, GPA: 3.90/4.0   *September 2017 – Present*
- Fields: Computer Architecture, Digital Signal Processing, Semiconductors, and Analog Circuit
- Dean's List (all semester)
- University Honors List (all semester)
- Invited to Eta Kappa Nu and become a potential member

SHANGHAI JIAO TONG UNIVERISTY   **Shanghai, China**
B.S.E Electrical and Computer Engineering Class of 2016.   *September 2014 – 2016*
- Fields: Calculus, Mathematics for Engineering, Continuous Signal Processing College Physics and Chemistry
- Successfully apply for SJTU-UM Joint Institute Dual Degree Program
- Active member of *Master Distinguished Lecture,* a student organization of SJTU
- Active member of *Miyuan Team of Volunteers*

PROJECT EXPERIENCE

EECS470: R10K MICROPROCESSOR DESIGN   **Ann Arbor, MI**
Main Contributor & Team Member   *March 2017 – Present*
- Design and implement a 3-way-superscalar R10k microprocessor using Verilog
- Significantly improve the performance than traditional 5-stage pipeline processor
- Learn advance features of modern microarchitecture design
- Get extremely familiar with Verilog and its synthesis

EECS351: INVISIBLE WATERMARK   **Ann Arbor, MI**
Main Contributor & Team Member   *March 2017 – Present*
- Implement an algorithm that generate an invisible watermark carried by host image
- Apply knowledge about Discrete Signal Processing and Computer Vision
- Become skillful in MATLAB and relevant signal processing tools

MHACKS: ANDROID APP SENDS ENCRYPTED MESSEGES   **Detroit, MI**
Main Contributor & Team Leader   *November 2016*
- Provide a solution that prevents leakage of private information due to SMS
- Design and write an Android App that can encrypt and decrypt messages
- https://github.com/HanFa/MessegesUnderProtect-MHacks8

COMPUTER & PROGRAMMING SKILLS

- Languages: C, C++, Java, Verilog, MATLAB, Mathematica, LaTeX, OpenGL
- Software: Cadence, Microsoft Office, Origin, Git, Xilinx ISE, Code-blocks, Arduino, PS, Premiere, Dreamweaver
- Frequently Used System: Linux Red Hat, OSX, Windows 10

LANGUAGE SKILLS

- Native Chinese Speaker
- English (Full Professional Proficiency)

University of Michigan
College of Engineering
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Dear Prof. Ronald Dreslinski,

My name is Fang Han, a Junior undergraduate student majored in Electrical Engineering. I am writing this letter to apply a full-time research for the upcoming summer vacation. My main research interest is computer architecture.

My two years' educational background in Shanghai Jiao Tong University has provided me with a solid foundation for engineering and academic research. I achieve great course performance during the study of UM, which give me great confidence to apply for the research. I wish I could get a research position to accumulate academic experience and make contribution to the field.

Thanks for your time reading this letter. If you have any question about me, please feel free to contact me.

Sincerely,

Fang Han