Fang Han

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https://github.com/HanFa

OBJECTIVES

- To apply for a position as Electronics Engineer Assistant in the Department of Radiation Oncology at UoM

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
- Learn deeply about Android App development and language features of Java

COMPUTER & PROGRAMMING SKILLS

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

LANGUAGE SKILLS

- Native Chinese Speaker
- English (Full Professional Proficiency)