XINGTIAN DONG

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348 North Craig Street, Pittsburgh,
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Education

University of Pittsburgh, Pittsburgh, Pennsylvania   Sep. 2016-Expected Apr. 2018
- **Major & Degree: Master of Engineering in Electrical Engineering   GPA: 4.0**
- **Courses: Algorithm Implementation, Interface Design and Evaluation,**
  Software Engineering, Optimal Control, Optimization Methods,
  Systems-on-a-chip Design, Embedded Computer System Design

Northwestern Polytechnical University, Xi'an, China   Sep. 2012—July. 2016
- **Major & Degree: Bachelor of Engineering in Electrical Engineering**
- **Courses: C Programming Language, Linear Control System, Linear System Theory**

Experiences

- **Software Engineer Intern**   May.2017- Aug. 2017

Involved in all phases of software engineering. Designed algorithm to read unordered lines into the prisms which they belong to after union of intersecting prisms. Designed algorithm to detect holes on prisms' surfaces and split the prism which is cut into two.
Link to the project: https://github.com/colddxt/Decorative-Box-Step4.

- **Course Assignments**   May.2017- Aug. 2017

Five programming assignments which are: DLB tree implementation, Approximate PHP array using JAVA, LZW compression and decompression, RSA cryptosystem and primitive symmetric ciphers implementation in communication system, edge weighted digraph implementation.

- **Term Project: DSP-CPU Design**   Jan.2017- Apr. 2017

Learned programming with VHDL and how to use Vivado in a short time. Cooperated with three team members from different countries. Involved in designing CPU, VHDL programming, code integration, testing and debugging.
Link to the project: https://github.com/colddxt/DSP-CPU.

- **Term Project: Smart Car Controlled By Bluetooth**   Sep. 2016-Dec.2016

Designed small car which can be controlled by button or gyroscopic control on phone via Bluetooth. Took charge of small car part and assembled the car and wrote for Arduino to control it.
Link to the project demo video: https://www.youtube.com/watch?v=KuBXcVfDOco.

- **The 4th National Marine Aircraft Design Competition**   July. 2015

Conquered difficulties in outdoor experiments and leading group members, technical difficulties in avoiding obstacles and positioning.

Skills

- Excellent command of Java, C, Matlab, VHDL, PostgreSQL, HTML5 & CSS3
- Strong team skills, interpersonal and communication ability
- Skilled at analysis and problem identification as well as multi-task management