

**Xu Liu** (<http://liuxu1005.github.io> Don't need visa support.)

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## EDUCATION

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<b>Tufts University</b> Master of Computer Science	Sept.2014-Aug.2016
<b>Southwest Jiaotong University</b> Master of Material Science	June.2008

## PROJECTS (<https://github.com/liuxu1005>)

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Comparing sorting on CPU and GPU (Computer Architecture)  
Solar System (Computer Graphics)  
Content Centric Network Report (System Design)  
Triangulation/Monotonicity (Computational Geometry)  
Channel Code/Modulation/Routing (Networks)  
JOS (Operating System)

## COURSES

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### Courses from Tufts University

Computation Theory, Algorithm, Programming Language, Data Structure, Discrete Mathematics,  
Artificial Intelligence, Introduction to Machine Learning, Computational Geometry, Computer Graphics,  
Advanced Computer Architecture, Machine Architecture and Assembly Language, Database, System Design

### Courses Taught by self

Operating System (following MIT 6.828 Operating System Engineering)  
Networks (following MIT 6.829 Networks, 6.02 Digital Communication and Tufts comp 112 Networks and Protocol)

### Currently Working on

Compiler, Distributed System

## OTHER EXPERIENCE

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<b>Application Engineer</b> at <b>Angstrom Advanced Inc.</b> Braintree MA	Mar.2012-Jan.2015
Technical support on application, installation & troubleshooting for chemical/material analytical instruments such as SEM, AFM/SFM, XRD, EDS/WDS, ICP-AES, GC-MS.	
<b>Belling Microelectronics Manufacturing Co. LTD.</b> , Shanghai, China	Feb.2008-August.2010
<b>Lithography Process Engineer / Integrated Process Engineer</b>	
Develop and maintain processes for 6" silicon wafer production line (0.5 um process)	