Xu Liu

liuxu1005@gmail.com ● 617-459-8321 ● Malden MA 02148 ● Authorized to work in USA

Education

Master of Computer Science	Tufts University, US	Sept. 2014 - Aug. 2016
Master of Material Scinece	Southwest Jiaotong University, China	June 2008

Skills

C/C++/Python, Html/CSS/JavaScript, OpenGL/WebGL/CUDA, SQL/NoSQL,

Projects

Sorting on CPU and GPU (Computer Architecture https://github.com/liuxu1005/Computer-Architecture/blob/master/FinalReport/FinalReport.pdf)
Water (Computer Graphics)
Content Centric Network Report (System Design http://liuxu1005.github.io/system/FinalReport.html)
Triangulation/Monotonicity (Computational Geometry http://liuxu1005.github.io/algorithm/geometry/triangulation.html)
Channel Code/Modulation/Routing (Networks https://github.com/liuxu1005/Network)
JOS (Operating System https://github.com/liuxu1005/Operating-System-Engineering)

Courses

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 Experiences

Application Engineer Angstrom Advanced Inc. 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.

Lithography Process Engineer / Integrated Process Engineer China	Feb.2008 - Aug.2010

Develop and maintain processes for 6" silicon wafer production line