

Resume

Contact Information

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Educational Background

University of Pennsylvania, May 2014

Master, Computer & Information Technology, GPA 3.83

Beijing University of Aeronautics & Astronautics, March 2012

Bachelor & Master, Control Science & Engineering

Employment

Software Engineer Intern, comScore, Reston VA, June – August 2013 (now)

- **Validate Campaign Essential (vCE) development portal** (Java, JavaScript, JQuery, ShellScript)
A portal system supporting the development of vCE tagging development
 - ✓ Implemented Java servlet service on Apache Tomcat to fetch and manipulate code from SVN repository and return customized code as a zip file to front end users
 - ✓ Implemented Html 5 and JQuery webpages to provide back end services to browser users
- **vCE frontend tagging** (JavaScript)
A tagging javascript to collect Ads browsing data from browsers

Web Developer, University of Pennsylvania, Philadelphia PA, March – May, 2013

- **Library Record Inquire System** (Java Servlet, JavaScript, Html)
A portal system supporting library records look up and modification

Software Developer, Advanced Simulation Technology Lab, Beijing, China, 2009-2012

- **Modeling & Simulation Framework** (Java, C++)
- **Artificial Intelligence Experiment Platform** (C++, Qt, A*)

Projects

- **Interpreter for a functional programming language** (Java). Consists of a recognizer, a parser and an evaluator for a scripting functional language similar to Python. Uses state machine to tokenize statements, BNF to describe syntax and recursive descent methods to construct expression trees.
- **RSA Chatting Server and Client** (Java). An online chatting service using RSA encryption algorithm. Uses self-implemented RSA library to encrypt and decrypt messages and Java socket to establish connections between server and clients.
- **Multi-thread Registration Simulator** (Java). A program simulating random course registration. Uses Java synchronizing structure to manage concurrency of threads simulating individual users.
- **Multi-process Checkers Game** (C++). A checkers game supporting Human vs AI and AI vs other AIs. Uses pipes and signals to establish concurrency of different processes.
- **Cached Http Server** (C++). An Http Server supporting content caching.
- **C compiler** (C). Compiled C into LC-3(a kind of assembly language created by Patt Patel).
- **Book management tool for libraries** (Python). Provided command line interface for book management.

Skills

- Languages: Java; JavaScript; JQuery; Python; C++; C
- OS: Linux(Unix); Windows
- Software: Emacs; Eclipse; Browser development tool; Charles proxy; Git; SVN; Visual Studio;