

Jiuling Tang

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Education

- 2014.9-2016.7 Master of Computer Science
Concordia University, Montreal, Canada GPA: 3.86/4.3
- 2010.9-2014.7 Bachelor of Mathematics
University of Electronic Science and Technology of China GPA: 82.7/100

Professional Skills

Programming Languages: C++, Java, C, SQL, JavaScript, Matlab, C#, Python
Web Programming: HTML, CSS, JQuery, AJAX, JSP, Java Servlet, Node.js, AngularJS, XML, JSON, Rest API
Algorithm: ACM contest awards, A+ grade at the course, Strong algorithm ability
Operating System: Linux, Windows **Repository:** Git (Github, Bitbucket) **Network:** TCP/UDP, Socket Programming
Framework: Play **IDE:** Eclipse, MyEclipse, Microsoft Visual Studio
Database Technologies: MySQL, SQL Server, MongoDB, Hibernate
Distributed System Framework: Apache Hadoop, Map-Reduce **Test:** Junit

Work Experience

- 2016.8-2016.9 **Front-end Internship at Merinio, Montreal, Canada**
- Build a single page employee management web application by using AngularJS and make the.
 - GUI as the design. Implement Dependency Injection Mode to achieve low coupling of the system.
 - Use Grunt to automatically minimize code, detect bugs and refresh the browser after code is modified.

Project

- 2016.1-2016.4 **Developed a Student Information System** (HTML/CSS/JavaScript/Java/MySQL/Bootstrap/AJAX/JSP/Servlet)
- Build pages for student's view and administrator's view. Design service logic and develop back-end in Java web technologies. Manage the authority of student and administrator.
 - Design database, and encapsulate SQL clause to simplify the code for database query.
 - Promote the security and efficiency of the system by using technologies such as transactions, filter, cache and so on.
- 2016.1-2016.4 **Developed a "Worker Finder" website** (HTML/CSS/JavaScript/Java/MySQL/Bootstrap/Play)
- Use Play framework to develop back-end in MVC architecture.
 - Design and program algorithm to sort recommended workers.
 - Design database. ORM is used to simplify database access.
- 2015.10-2015.12 **Make a Distributed Loan Management System** (Java/ UDP/ CORBA)
- Implement replica technologies for reliability of the system. The system can recover if it crashes. Socket is used for communication between replicas.
 - Corba middle-ware is implemented for clients to send request to server.
 - Use multiple threads to achieve concurrent execution. Design good synchronization carefully to coordinate threads, meanwhile remain high concurrency and avoid deadlock.
- 2014.9-2014.12 **Tower Defense Game** (Java)
- Use Java Swing library to program the GUI. Develop project in MVC architecture. Design patterns like Strategy Pattern, Singleton Pattern and Observe Pattern are implemented.
 - Write Junit test cases to test modules. Write Javadoc to generate API documents.

2016.1-2016.4 **Designed and implemented a compiler** (Java)

- Develop a compiler which can translate a self-defined programming language with simple syntax.
- Write complete test cases to test the compiler.

Awards

2012.10 Silver Medal in ACM International Collegiate Programming Contest Asia Regional Contest
2012.04 Gold Medal in ACM International Collegiate Programming Contest Invitational Tournament
2011.11 Silver Medal in ACM International Collegiate Programming Contest Asia Regional Contest

Language

English, Mandarin, French (Beginner)

Extracurricular Activities

2015.09 Volunteer work in International Students Office, Concordia University