HANZHANG CHEN

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EDUCATION

George Mason University	**Fall 2011 – Winter 2013**
B.S. Computer Science-Undergraduate	Fairfax, VA, USA
Overall GPA: 3.35 out of 4.0	
Southwest Jiaotong University	**Fall 2009 – Summer 2014**
B.S. Computer Science-Undergraduate	Chengdu, Sichuan, China
Overall GPA: 78.58 out of 100	

OBJECTIVE

Seeking opportunities to expand my knowledge in computer science industry with a focus in data science and utilize my technical skills to achieve greater academic and professional accomplishments

RELATED COURSES

Software Requirements and Design Modeling
Computer Systems and Programming
Computer Systems Architecture
Computer Communications and Networking
Introduction to Game Design
Computer Graphics and 3D Modeling
Database Concepts
Synthesis of Ethics and Law for the Computing Professional

TECHNICAL SKILLS AND QUALIFICATIONS

- Excellent implementation skills (C/C++, Java, Python, Assembly, HTML+CSS, Javascript/jQuery, PHP)
- Experienced in custom back-end development across platforms (mobile & desktop & web)
- Extensive experience in front-end web design (HTML, CSS, JavaScript(jQuery))
- Knowledgeable in back-end web development
- Considerable knowledge of Windows environment and APIs
- Experienced in mobile application development (Android 4.4)
- Knowledgeable in database concepts (Entity-relationship, relational algebra, functional dependencies) and SQL
- Familiar with 3D modeling and computer graphics programming (OpenGL)
- Familiar with TCP/IP and network concepts and programming
- Familiar with legal and ethical issues surrounding computer technology and its use (Utilitarianism, Deontology, intellectual property, fair use, defamation)
- Hardworking, focused, punctual, reliable and honest
- Creative and passionate to new things

- Ability to solve problems using mathematical modeling
- High sensitivity to visual experience
- Excellent attention to details
- Solid organization and time management skills
- Ability to establish and maintain cooperative working relationships
- Fluent in English and Mandarin Chinese

WORK HISTORY

March 2015 – Present
Chengdu, Sichuan, China

Fangtsun Games
Level Designer
- Interpret game stories and concepts into actual game entities
- Layout gameplay conditions and regulations
- Coordinate scriptwriters, developers, and artists by contributing to creative discussions around features and systems

User Experience Designer
- Diversify and combine features and game dynamics to optimize gameplay
- Test, balance, and tune user interface for better user experience

Web Server Administrator
- Develop company website

November 2014 – January 2015
Calgary, AB, Canada

Tac Marketing
Software Developer
- Develop and maintain customized CMS databases
- Develop secured web services for energy companies
- Develop desktop & web applications for insurance brokers

August 2013 – December 2013
Fairfax, Virginia, USA

George Mason University
Undergraduate Teaching Assistant
- Assist students with their programming assignments and projects
- Help students go through the Lab sessions

June 2011 – September2011
Chengdu, Sichuan, China

Sichuan Science and Technology Museum
Technical Support Personnel
- Give presentations to audience about robotics and introduction to artificial intelligence
- Robotics programming

- Network and computer-related maintenance

VOLUNTEER EXPERIENCE

January 2014 – April 2014
Calgary, AB, Canada

Tac Marketing
Software Developer Intern
- Develop web-based customer relationship management (CRM) applications
- Create jQuery plugins for more efficient front-end developments
- Design consistent SQL databases with functional dependencies for potential large-scale uses

May 2008 – June 2008
Sichuan, China

Red Cross Society of China
Wenchuan Earthquake Volunteer
- Transport needed goods and supplies to affected area
- Disseminate the measures on preventing after-hit diseases
- Managing and organizing donations/ charity events.

COMPUTER PROJECTS

Object Oriented Programming:

Comic Downloader
- Team Java course project
- Batch download jpeg files to the given directory
- Developed using rapid application development (RAD) models

Well Spent
- Individual Android application development (Java & XML)
- Money management application, integrated with camera activity. Helps keep up with daily expenses and share to social networks.

Smart Personal Class Scheduling Helper
- Individual web application development (HTML, JavaScript, Python)
- Automatic generation of class-scheduling solutions based on customized user preferences (no morning classes, condense into 4-day schedule, etc.)
- Implemented using web crawling algorithms and data mining of the university course catalog page

BrokerCore Desktop Application
- Optimize application UI to improve user experience and simplify workflow.
- Provide solution to simultaneous search bar auto suggest generation

Game Design:

Run Eason Run!
- Individual Python project

- Using Pygame
- Hybrid genre game (action, RPG)
- Core dynamics: survival

Web Design:
- Personal website: http://ethanbit.com
- Imeasure Real Estate CMS: http://imeasure.ca
- Community Social Event Page: http://www.visitmardaloop.com/
- Front page of Fangtsun Games Studio: http://fangtsun.com

ACCOMPLISHMENTS
- Bronze medal for National Olympiad in Informatics, China, 2006
- Silver medal for National Olympiad in Informatics, China, 2007
- Gold medal for National Olympiad in Informatics, China, 2008
- Fourth place in ACM/ICPC, Sichuan province, China, 2008
- Dean's List, George Mason University, Spring 2013
- Dean's List, George Mason University, Summer 2013