

Chong Guo

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EDUCATION

Simon Fraser University, Vancouver, Canada

Sept 2015 - Present

- Bachelor's Degree - Computer Science (CGPA: 4.14/4.33)

Zhejiang University, Hangzhou, China

Sept 2013 - Jul 2015

- Bachelor's Degree - Computer Science (CGPA: 4.15/5.00)

AWARDS

- 7th Place in the ACM-ICPC Pacific Northwest Regional (Division 1) 2016
- 1st Place in the Microsoft Code Challenge in Simon Fraser University 2016
- 8th Place in the ACM-ICPC Pacific Northwest Regional (Division 1) 2015
- Simon Fraser University Entrance Award (\$5,000) 2015
- 1st Prize in NOIP (National Olympiad in Informatics in Provinces, China) 2011

TECHNICAL SKILLS

- **Languages** C, C++, Node.js, Objective-C, Python, C#, JavaScript, Typescript, HTML, CSS
- **Databases** PostgreSQL, MySQL, SQL Server, MongoDB, Redis
- **Editors & IDE** Vim, VSCode, Sublime Text, Atom, Pycharm, Appcode, WebStorm
- **Operating Systems** Linux (Ubuntu, CentOS, Debian), Mac OS X, Windows, iOS
- **Miscellaneous** Git, Perforce, Unity, Unreal, React, Machine Learning, Minecraft modding

TECHNICAL WORK EXPERIENCE

Software Engineer Internship, Microsoft. *Vancouver, Canada*

May 2017 - Present

- Working on the AAA game "Gears of War" in the Multiplayer Gameplay team
- Implementing gameplay features using Unreal Engine, C++ and Visual Studio, particularly focus on the Networking/Replication part, and test on both Windows(UWP) and Xbox platforms

Software Engineer Internship (Unity), A Thinking Ape Inc. *Vancouver, Canada*

Jan 2017 - Apr 2017

- Worked on a new mobile game, implemented clan chest and diplomacy board feature, reskinned research and building list dialog, fixed an asset bundle related bug that caused memory leak

Software Engineer Internship (iOS), A Thinking Ape Inc. *Vancouver, Canada*

May 2016 - Aug 2016

- Implemented the whole user store promo feature from server side to client side and made the percent paying users after 1 day increased by 58%, percent paying users after 7 days increased by 41%, and percent paying users after 30 days increased by 32%
- Implemented expansion file support, upgraded the Android SDK version from 22 to 23 for Apporable and migrated the game tutorial from Android to iOS

TECHNICAL WORK EXPERIENCE CONTINUE

Chief Technology Officer (Co-founder), VANSTU Inc. *Vancouver, Canada*

Sept 2015 - Present

- Designed, implemented and maintained an information sharing and second-hand trade website for all Chinese students in B.C, Canada
- Developed back-end using Node.js, Nginx, PostgreSQL with Express framework, implemented all the bash autotools and most of the test scripts
- Doing code-review for some software development engineers and maintain server in a timely manner

iOS Developer, ZaoFeng E-commerce Ltd, *Zhejiang, China*

Apr - Dec 2015

- Implemented and maintained an iOS App which is used for buying & selling used items among thousands of students in Zhejiang Province (like “eBay”)
- Cooperated with co-workers using Git to provide a good collaborative environment
- Reduced total data costs through bandwidth, memory and performance optimization

Back-End Developer, ShiChuo Technologies Ltd, *Zhejiang, China*

Jul - Sept 2014

- Constructed an information sharing website which has been used by several companies
- Assisted in designing and development of website according to design specifications
- Developed back-end using Linux, Apache, MySQL, and PHP (with “Codeigniter” framework) and maintained it in a 24/7 environment
- Worked closely with product managers, designers, and quality assurance engineers to meet the website requirements

SELECTED PERSONAL PROJECTS

Multiplayer FPS Game

Nov 2015 - April 2016

- Implemented a multiplayer FPS game and integrated with Kinect, VR Box, Leap motion and Xbox Controller for different user play experiences

PostgreSQL Database Extension

Jul - Dec 2015

- Implemented k-skyband, constrained skyline and group-by skyline queries using pl/pgSQL and C to make skyline query on incomplete data more efficient
- The fifth author of paper “SI2P: A Restaurant Recommendation System using Preference Queries over Incomplete Information” on PVLDB, 2016

COMMUNITY INVOLVEMENT

Freestyle Slalom Skating Instructor, *Xunjun Elementary School, Hangzhou, China*

Sept - Dec 2014

- Teach children how to learn roller skating from scratch and how to play some tricks

INTERESTS

- Inline Skating
- Music & Bass
- Hackthon