Chong Guo

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TECHNICAL SKILLS

- Five years' experience in using **Linux** and **Mac OS X**, a deep **Git** and **Vim** lover <3

- Solid programming skills in **C/C++** honed from four years' project and work experience

- Three years of **web development** work expericence with **Node.js** and **PostgreSQL**, or **Python(Django)**

- Two years of **iOS development** work experience with **Objective-C**, and is moving to **Swift** recently

- Enjoy learning cutting-edge technologies like **Docker**, **React**, **Typescript**, **AR/VR**, **NLP**, **Deep Learning**

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 Apportable and migrated the game tutorial from Android to iOS

Chief Technology Officer (Co-founder), VANSTU Inc. *Vancouver, Canada*　　　Sept 2015 - Jul 2017

- 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 and reduced total data costs through bandwidth, memory and performance optimization

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TECHNICAL WORK EXPERIENCE CONTINUED

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

Express Webpack React Redux Typescript Boilerplate Sept 2016 - Present

- Designed and implemented my full-stack boilerplate that using express with webpack, react and typescirpt (with hot module reload, materialize-css and docker support)

Automatic Image Colorization Dec 2016

- Self-learned deep learning related knowledge and models, implemented Automatic Colorization using TensorFlow based on Residual Encoder Network and a pre-trained VGG16 model

Multiplayer FPS Game Nov 2015 - Apr 2016

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

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

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)