

# Chong Guo

Address: 1620 Cliff Avenue  
Burnaby, BC, Canada, V5A2K4  
Phone: (+1) 778-681-8660  
Email: [armourg@sfu.ca](mailto:armourg@sfu.ca)  
Github: <https://www.github.com/Armour>

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## TECHNICAL SKILLS

- Six years' experience in using **Linux** and **Mac OS X**, a deep **Vim** lover <3
- Solid programming skills in **C/C++** honed from four years' project and work experience
- Four years of **web development** experience with **Node.js**, **React**, **Vue** and **PostgreSQL** (or **MySQL**)
- Three years of **game development** experience using **Unity** and **Unreal** game engine
- Two years of **iOS development** experience with **Objective-C** and is moving to **Swift** recently
- Enjoy learning cutting-edge technologies like **Docker**, **Typescript**, **AR/VR**, **Deep Learning**, **Blockchain**

## TECHNICAL WORK EXPERIENCE

**Software Engineer Internship, Google.** *Kirkland, U.S.*

Nov 2018 - Feb 2019

- Mainly focused on Deep Learning for Dialogue Systems in Google AI team
- Explored Dialog Modeling with STOA NLP techniques (ELMo, Transformer, BERT, etc.) and improved human-human dialogue understanding performance by domain ~10%, intent ~10%, and slot ~30%

**Software Engineer Internship, Microsoft.** *Seattle, U.S.*

May 2018 - Aug 2018

- Built various text classifiers using NLP and machine learning in the OneNote - Intelligence team

**Software Engineer Internship, Google.** *Mountain View, U.S.*

Jan 2018 - Apr 2018

- Created and launched a new automation tool using Go which used by multiple teams (Google Photos, YouTube, etc.) and save up to 80% time of rollout experiment with early bug detection

**Software Engineer Internship, Microsoft.** *Vancouver, Canada*

May 2017 - Aug 2017

- Collaborated on the AAA game "Gears of War" in the Multiplayer Gameplay team
- Implemented 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

**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
- Performed code-review for other developers and maintained server in a timely manner

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

Jan 2017 - Apr 2017

- Pioneered in a new mobile game, implemented clan chest and diplomacy board feature, reskinned research and building list dialog, fixed several memory leak bugs and improved workflow

## TECHNICAL WORK EXPERIENCE CONTINUED

**Software Engineer Internship (iOS), A Thinking Ape Inc.** *Vancouver, Canada* May 2016 - Aug 2016

- Introduced 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

**iOS Developer, ZaoFeng E-commerce Ltd.** *Zhejiang, China* Apr - Dec 2015

- Launched and maintained an iOS App which is used for buying & selling used items among thousands of students in Zhejiang Province (like “eBay”)

**Back-End Developer, ShiChuo Technologies Ltd.** *Zhejiang, China* Jul - Sept 2014

- Constructed an information sharing website which has been used by several companies
- Developed back-end using Linux, Apache, MySQL, and PHP (with “Codeigniter” framework) and maintained it in a 24/7 environment

## SELECTED PERSONAL PROJECTS (VIEW MORE ON GITHUB)

**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

- 1st Place **twice** in the Microsoft Code Challenge in Simon Fraser University 2016 & 2017
- 8th & 7th Place in the ACM-ICPC Pacific Northwest Regional (Division 1) 2015 & 2016
- Simon Fraser University Entrance Award (\$5,000) 2015

## EDUCATION

**Simon Fraser University, Vancouver, Canada** Sept 2015 - Present

- Bachelor's Degree - Computer Science (CGPA: 4.02/4.33)

**Zhejiang University, Hangzhou, China** Sept 2013 - Jul 2015

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