Chong Guo

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TECHNICAL SKILLS

- **Languages**

    C/C++, Objective-C, Node.js, Python, PHP, Java, JavaScript, HTML5, Verilog

- **Editors**

    Vim, Emacs, Atom, Sublime Text

- **Operating Systems**

    Mac OSX, Linux (Ubuntu, CentOS, Debian), Windows, iOS

- **Database**

    PostgreSQL, MySQL, SQL Server, MongoDB, Redis

- **Miscellaneous**

    Git, OpenCV, Qt, MatLab, PostgreSQL Server Programming, Minecraft modding, LaTeX

TRANSFERABLE SKILLS

- Able to work under pressure and in time sensitive situation

- Excellent learning and problem solving skills

- Work well with teammates and sometimes have creative inspiration

- Multi-cultural with Mandarin as mother tongue and can understand some Japanese

WORK EXPERIENCES

iOS Developer(Part-Time), ZaoFeng Technologies Ltd *(Zhejiang, China)*   Apr. 2015 - Present

- Designed, implemented and maintaining an iOS App "云格子铺" which is used for second-hand trades among thousands of students in Zhejiang Province.

- Cooperated with another developer using Git (in company's Gitlab) to provide a good collaborative environments.

- Responsible for bandwidth, memory and performance optimisation to reduce total data costs.

- Already Put this app on Apple Appstore in China and received 4+ stars rating.

Back-End Developer(Contract), ShiChuo Technologies Ltd *(Zhejiang, China)*   July 2014 - Sept. 2014

- Constructed a information sharing website '8btcx' which has been used among 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.

- Normalized database tables and performed extensive query optimization to boost website performance.

- Demo can be found in *http://www.armourcy.com/8btcx*

Project Experiences

PostgreSQL Database Extension *(Data Mining Lab, Zhejiang University)*   May 2015 - Sept. 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.
- Learned PostgreSQL server side programming and successfully integrated three queries into PostgreSQL system.
- Performed quality testing and assurance for those three queries to meet users needs.

APRS Project *(Project Training Course, Zhejiang University)*   Mar 2015 - July 2015
- Worked as the group leader of Operations Engineers with passion and responsibility.
- Maintained the server, built Gitlab and some other webpages like wiki for everyone.
- Programmed both front-end and back-end, helped integrate each group's code together.
- Gave presentations about the whole project's completeness each week to ensure tasks going well.

Object Detection Project *(Dormitory, Zhejiang University)*   July 2014 - Sept. 2014
- Implemented object detection using C++ and OpenCV to provide competitive object detection rates in real-time.
- Self-learned Machine Learning Course on Coursera on time.
- Summarized and programmed many algorithms like Liner Regression, Neural Network, SVM, etc.

Magic Tower Game *(Object-Oriented Programming Course, Zhejiang University)*   Nov. 2014 - Jan. 2015
- Implemented an RPG game using Qt and C++ which is about a warrior saving the princess who has been trapped in the top of the tower. *(Code : https://github.com/Armour/Magic-Tower-Qt)*
- Connected with remote database (MYSQL) using data orientated structure which allows fast computation.
- Gave different ends according to player's choice, added NPC, event and even cheating function to maximize players' gaming experiences.

Military Training Webpage *(QSC Tech Organization, Zhejiang University)*   July 2014 - Sept. 2014
- Implemented the Military Training Webpage which is used by every freshman in ZJU using PHP.
- Maintained 24/7 high volume availability demands until our school's military education and training end.
- Demo can be found in *http://www.armourcy.com/military-training*
- Admin panel demo in *http://www.armourcy.com/military-training/admin* (Username:test Password:test)

Education

Simon Fraser University, Vancouver, Canada   Sept. 2015 - Present
Computer Science - Bachelor's Degree

Zhejiang University, Hangzhou, China   Sept. 2013 - July 2015
Computer Science - Bachelor's Degree *(GPA: 4.15/5.00)*

Awards

- Simon Fraser University Entrance Award ($5,000)   2015
- First Prize in NOIP (National Olympiad in Informatics in Provinces, China)   2011

Interests

- Freestyle inline skating
- Video Games
- Tennis
- Music/Bass