

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 E-commerce 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 - 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 - 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 - 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 - 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
- Music/Bass
- Travel