

Chong Guo

Address: 215-5155 Watling Street
Burnaby, BC, Canada, V5j1W8
Phone: (+1) 778-681-8660
Email: armourg@sfu.ca
Github: <https://www.github.com/Armour>

EDUCATION

Simon Fraser University, Vancouver, Canada

Sept 2015 - Present

- Bachelor's Degree - Computer Science (CGPA: 4.00/4.30)

Zhejiang University, Hangzhou, China

Sept 2013 - Jul 2015

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

AWARDS

- 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, PHP, C#, Python, Java, JavaScript, HTML, CSS
- **Databases** PostgreSQL, MySQL, SQL Server, MongoDB, Redis
- **Editors** Vim, Atom, Sublime Text
- **Operating Systems** Linux (Ubuntu, CentOS, Debian), Mac OS X, Windows, iOS
- **Miscellaneous** Git, Unity3D, OpenGL, OpenCV, Qt, Machine Learning, Minecraft modding

TECHNICAL WORK EXPERIENCE

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

Apr - Dec 2015

- Designed, 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 optimisation
- Received 4+ stars rating on Apple Appstore in China

Research Assistant, Database Lab, ZJU, Zhejiang, China

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
- Self-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
- Second author of the paper which has been submitted to SIGMOD 2016 (Demonstration Track)
"A Restaurant Recommendation System using Preference Queries over Incomplete Information"

TECHNICAL WORK EXPERIENCE CONTINUE

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

Jul - Sept 2014

- Constructed an information sharing website 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
- Worked closely with product managers, designers and quality assurance engineers to meet the website requirements

SELECTED PERSONAL PROJECTS

Military Training Website

Jul - Sept 2014

- Implemented a Military Training Website using PHP (with “Codeigniter” framework) which is used by almost every freshman when they are taking the military training in Zhejiang University
- Normalized database tables to satisfy BCNF and performed extensive query optimization to boost website performance
- Implemented an admin panel to provide efficient information management for managers

SELECTED ACADEMIC PROJECTS

Lyrebird, Operating System, Simon Fraser University

Sept - Dec 2015

[Code: <https://github.com/Armour/CMPT300-Assignment>]

- Implemented a program which uses a distributed system with client-server architecture to decrypt large numbers of encrypted tweets
- Improved performance by spreading the decryption tasks across multiple processes in client side
- Integrated a memory leak detection tool “MEMWATCH” to make sure there is no unfreed memory, over- flow or underflow to memory buffers

APRS Project, Project Training, Zhejiang University

Mar - Jul 2015

- Developed an APRS system using Node.js (with “Express” framework), HTML5 and MongoDB that shows position information and weather information on a map
- Worked as the group leader of Operations Engineers with passion and responsibility
- Gave presentations about the project’s completeness each week to ensure tasks were going well

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
- Reading & Traveling