

# Cheng Yu

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## Brief introduction about me:

I am a full stack developer at Unitix, during last two years me and another contractor (An architecture consultant) built an API framework base on Flask(a micro Python Framework) and then based on this Framework we developed a general purposed backend CRM API services. And then we built a new CRM (<https://gracecrm.com/>) for our company by using that API service.

Before this job I was mainly focus on researching machine learning techniques (mainly focusing social event detection) when I was in college.

## PROJECT EXPERIENCE

- ▣ **Summer Project, RMIT, Melbourne, Victoria** **11/**  
**2012 --- 1/ 2013**
  - ▣ “Efficient In-memory Resource Selection in Distributed Search Engine”. This project aims to find more space and time efficient term indexing data structures for search engine, under supervision of Dr. Shane Culpepper.
- ▣ **Victorian Department of Business and Innovation Technology Voucher Program - Melbourne, Victoria**  
**3/ 2013 --- 7/ 2013**
  - ▣ “Lexer Social Demographics Analysis”. This project aim to classify a social network entity into two classes, “Person” and “Business”, based on the content an entity published, supervised by Dr. Jenny Zhang.
- ▣ **Minor Thesis - RMIT, Melbourne, VIC**  
**7/ 2013 --- 11/ 2013**
  - ▣ “Tired of Labeling? Classification of Twitter Users by Feature-guided Learning”. This project is an extension of “Lexer Social Demographics Analysis” which aims to find an automatic labeling method to achiev the labeled tweets base on specific features, supervised by Dr. Jenny Zhang.
- ▣ **Summer Project, RMIT, Melbourne, Victoria**  
**1/ 2014 --- 2/ 2014**
  - ▣ “Discriminating Individual from Business Twitter Users by classification of Tweet Stream”. This project aims to extend of my minor thesis and optimize its evaluation part, supervised by Dr. Jenny Zhang.

▯ **Casual Developer for Twitter sentiment analysis system, RMIT, Melbourne, Victoria      3/ 2014 --- 4/2014**

- ▯ This project aims to transfer our previous research results into real application and apply for iAward International competition, supervised by Dr. Jenny Zhang. This application has been exhibited in RMIT/CSIT industry showcase.

▯ **Full Stack Developer for Grace CRM system, UNITIX, Melbourne, Victoria      8 / 2014 --- now**

- ▯ This project aims to build a comprehensive Client Relationship Management System which can help UNITIX to handle multiple different tasks. Basically we have developed our own framework from flask and then we used this framework to develop an general APIs CRM service which potentially every one can use. Then we built our own CRM system (<https://gracecrm.com/>) based on those APIs.

## **EDUCATION**

- ▯ **Profession year program, Performance Education      4/ 2014 --- 10/ 2014**
- ▯ **Master of Computer Science (database),      3/ 2012 --- 12/2013**  
**RMIT, Australia**
- ▯ **Bachelor of Computer Science (information security),      9/ 2007 --- 9/ 2011**  
**Hubei University of Technology, China**

## **PROFESSIONAL SKILLS**

▯ **Strong programing background**

- ▯ Grasp a diverse range of programming languages (C/C++, JAVA, python, Perl, PHP, Ruby, JavaScript) and experienced in developing complex applications (Web Service, Search Engine)
- ▯ Comprehensive understanding of different algorithms and experienced in algorithm implementation and optimization.
- ▯ Familiar with web front-end design (HTML5, CSS, JavaScript)
- ▯ Familiar with Unix like system especially Linux.
- ▯ Good understand of system design and experienced in developing reusable and extendable code.
- ▯ Familiar with both SQL and NO-SQL database management systems (MySQL, PostgreSQL, Oracle, MSSQL, MongoDB)
- ▯ Version control experience with GitHub
- ▯ Familiar with cloud deployment such as AWS and GCP.

▯ **Research oriented ability**

- ▯ Strong mathematic background
- ▯ Ability to efficiently document concise, organized reports and thesis. Proficient in Latex and R.
- ▯ Qualified on presenting clear and disciplined slides.

## HONOURS

- ▯ Fourth Place Team of ACM contest in Melbourne region  
11/2012
- ▯ RMIT Computer Science Summer Studentship, 2/2013
- ▯ Lexer Project Scholarship  
9/2013
- ▯ RMIT Computer Science Summer Studentship, 2/2014

## REFEREES

- ▯ **Xiuzhen (Jenny) Zhang** - Senior Lecturer, PhD  
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