**FENGJIAO LV**

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| **SUMMARY** |

During my undergraduate, I did careful learning on programming while as a master, I grasped knowledge and implement course projects about system design and analysis, like middleware, security, management protocol.

In Citi upstart programme in Ireland, my team won the first prize and I was the team leader, and in China, I won the prize for outstanding bachelor graduation project and graduated with the title of excellent graduate.

Good at mathematics. Got full marks in some math courses as well as prizes in math contests.

Like to understand some algorithms and data structure. I love learning new things, discovering how things work and delving deeply into a wide range of topics.https://www.lintcode.com/user/connie81

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| **PROFESSIONAL EXPERIENCE** |

**Associate Manager, Company: CitiGroup**

(Jul 2017 -current, Shanghai)

Frontend using angular 5 and PWA, Unit test, lich QA automation.

Backend using Nodejs,MongoDB

**Software Developer, Company: Accenture, the dock, center for innovation**

(Nov. 2016 - Apr. 2017)

Frontend development: uses NLP to process medical charts and allows reviewing through an intuitive UI

React.js+redux

**Frontend Developer (angular and ionic, android), Company: Inflight Dublin**

(Nov, 2015-Oct. 2016, Dublin, Ireland)

Frontend using React.js, angularjs, ionic+cordova, keystone.js, MongoDB

Backend using NodeJS.

**Junior Developer(**Java+AngularJS+jQuery**),** Company: CTEtechnology Co.ltd (Dublin, Ireland)

(*Jun. 2015- Aug.2015* | junior developer, Dublin, Ireland)

It is an upstart company. I worked with 4 experienced developers. Juggle is the main product, aiming to manage Irish personal finance. Juggle is a big project developed for one year. I got familiar with many tools Grunt, Bower, and Apache. Also, familiar with server side, Spring framework and Maven. Database leveraged MySQL, Redis and ElasticSearch. Source version control used github, sourceTree and Wiki pages. My work:

* Implemented account management using AngularJS, HTML5 on Client, Java on Server and liquibase to save bank statements.
* Implemented transaction categorization using jQuery-DataGrid to add category labels to selected transactions.

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| **RESEARCH EXPERIENCE** |

**Independent,** *A Personalised Ontology and Rule-based Approach to Managing Message Overload*

(65%,70%is distinguish*| Dublin, Ireland|* **Dissertation of Master degree**)

This research examines ways to manage notifications in a context-awareness manner by leveraging current research on semantic language(RDF, OWL) and rule-based approach(JESS, SWRL). This dissertation created complex rules to handle dynamic context, message ontologies, in order to explore the effectiveness of rules and evaluate rule-based applications using iterative development.

* Designed distributed message system and compared with centralized one.
* Realized message simulator using XPath and Java to generate large number of messages.
* Wrote complex Jess rules and message templates according to use cases with protégé.

Complex rules including categorizing messages, upgrading similar messages, etc.

**Team Leader (Android application,Java, REST, NoSQL)**, Project: Soosokan,

(*Mar. 2015| Dublin, Ireland|* **Citi upstart program**)

Citi upstart programme let students initiate a startup,develop a business case and prototypes and finally present at Dragon’s Den featuring real Drains in a bid to win a place on a startup incubator and Windows Azure hosting. Our group ends up the winner and I was the team leader.

The application is an android application for geolocation-based, real-time item search. Four of us designed and implemented the application within 3 months. My part of work focus on back-end and functional realization:

* Worked with Java+ REST with MVC framework +NoSQL Cloudant database to save item information.
* Used Lucene API to search items; leveraged ArcGIS API (REST-based) to retrieve location;

**Independent (Java application)**, Project: Peer-to-peer Chat Room

(Apr. *2015 | Dublin, Ireland*| Course design)

The course design let students design in group and implemented a decentralized chat room system individually. My work:

* Implemented distributed peer-to-peer chat system using prefix-routing algorithm.
* Implemented that nodes join, leave, relay, and chat using TCP socket communication and multithreading.

**Independent (Web application)**, Bachelor graduation project, Project: Online office Automatic System for Alumni Association.

(*Jul. 2013| Shanghai, China|* **Bachelor graduation project** in Donghua University)

Because of the online automatic office needs of Alumni Association of Donghua University, this system was designed and implemented to meet the requirement of alumni staff. I designed and implemented a web application for online office automatic system with Tomcat, JSP and Oracle.The system has been put into use.

* Realized message management (including unread notifications) by querying in Oracle database frequently.
* Implemented dynamic calendar-based schedule using AJAX, and sent group emails using JAVA Mail.
* Other implementation: security consideration, user access control based on role, user encryption using MD5 algorithm, and concurrency control by synchronized locking.

**Team Member**, Essay: Comprehensive Water Shortage Analysis

(2012 | *Shanghai, China*| 2nd prize of Shanghai, National mathematical contest in modeling (MCM))

* Determined main factors of water shortage through Principle Component Analysis using SAS.
* Obtained Shortage risk coefficient by using Fuzzy Distribution Model with Matlab.
* Evaluated water shortage indices combining BP neural net and multiple linear regression.

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| **EDUCATION** |

*Sept.2014 - Oct. 2015* **MSc. Networks and Distributed Systems**, Trinity College Dublin, Ireland

* Result: 65%
  + Module: Middleware for Distributed Systems: Distributed system algorithms and application(RMI,etc)
  + Module: Security of Networks and Distributed Systems
  + Module: Management of Distributed System
  + Module: Data Communications and Wireless Networking: Core wired and wireless technologies.
* Dissertation: A Personalised Ontology and Rule-based Approach to Managing Message Overload
* Award: In Citi upstart programme, our group won 1st place for business start-up idea *Soosokan. (Ireland)*

*Sept.2009 - Sept. 2013* **BSc. Computer engineering**, Donghua University, China

* Result: 3.67/5 (86.7/100)s
  + Module: Data Structure, Concrete mathematics, Probability theory, Java, C/C++, Database systems
* Undergraduate project: Design and implement automatic office system for Alumni Association.
* Award: Title of Excellent graduate of Shanghai; National Scholarship of China
* Contest: 2nd prize of Shanghai, National mathematical contest in modeling (as freshmen and sophomore, twice) *(China);* Outstanding bachelor graduation project (*China)*

*Sept.2010-Sept.2011* **Bachelor Exchange program. Computer engineering**, Mid-Sweden University, Sweden

* Module: Web programming, Web Services (SOA), Java, computer network.
* Certificate for Cisco Certified Network Associate (CCNA)

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| **LANGUAGE SKILLS** |

* Mandarin – native English – fluent Swedish – conversational

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| **OTHER ACTIVITIES** |

* *Sept. 2013-Jul. 2014* worked as an English Tutor in Global IELTS Education co. ltd. In the private school, there were 3-7 kids aging from 6- 12 in each class. I became patient and helpful from this experience.
* Commissioner of a psychological club and organized psychological dramas.
* Love travelling, once backpacked 8 EU countries as an undergraduate.

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| **REFERENCES** |

Andrew Locatelli Woodcock, Vice President of Application Lifecycle management at Citi,

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Owen Colnan, Assistant Professor and leader of user modeling, adaption, personalization hypermedia research,

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