

YIFAN LI

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INDUSTRY EXPERIENCE

- “Java Developer”, Chugach Alaska Corp., Contractor for NOAA Sept 2013-April 2014
- Designed the database schemas for National Weather Service-BMH project, using PostgreSQL database
 - Debugged BusinessManager.java so that make it more efficient, from $O(N^2)$ to $O(N)$
 - Obtained The National Agency Check with Inquiries(NACI) clearance
- “Velocity Software Engineer”, Cerner Corp. April-June 2013
- Used JUnit, Mockito and PowerMock for unit-testing and mocking. Utilized Eclipse+Maven for building the environment, and VMware Cloud to access the environment

EDUCATION

- Columbia University, Fu Foundation School of Engineering and Applied Science, New York, NY**
Master of Science, Computer Science Sept 2011-February 2013
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|-------------------------------------|--------------------------------|--------------------------|
| Operating System | Analysis of Algorithms in Java | Introduction to Database |
| Programming Language and Translator | Advanced Software Engineering | Advanced Programming |
| Introduction to Unix Command | Mobile HCI | Database Implementation |
- Beijing University of Posts and Telecommunications(BUPT), International School, China**
Bachelor of Engineering in Telecommunication Sept 2007-June 2011
with 1st class Honor degree(top 25%)
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| Programming Fundamentals in C | Object Oriented Design in Java | Internet Protocol |
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PROJECT EXPERIENCE

- “Data Science course”, General Assembly March-May 2014
- Building predictive models in Python and R, using IPythonNoteBook and R-Studio
 - Working with KNN, Naive-Bayes, Linear Regression, Logistic Regression, Tree and SVM techniques
 - Final Project in Kaggle Competition to predict Walmart Salaries
- “Let Me See NYC website”, Columbia University Fall 2012
- Built the itinerary generating logic and implemented a website on XAMPP
 - Implement the Yelp API and SeetGeek API to download and calculate event and restaurant data
 - Using UML and Agile development(pair-programming)
- “Linux Kernel development”, Columbia University Fall 2012
- Added Linux Kernel System Calls and implemented read-write lock logic by spin lock and semaphore
 - Injected a Symmetric Multiprocessor Weighted Round-Robin Scheduler to original scheduler framework
- “Database of Soccer Team”, Columbia University Fall 2011
- Worked on Relation/Entity Diagrams, SQL Schema to manage information about the soccer team
 - Implemented the schema in Oracle, using SQL PLUS: Create Tables, insert tuples, write desired queries

SKILLS

Languages:	Java, C, Python, R, PHP, HTML, SQL
Tools:	Eclipse, Git, Maven, PostgreSQL
Operating Systems:	Linux(RedHat), Windows, Mac OS X