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Keith Zeng
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 San Diego, CA

Education

University of California San Diego, San Diego, CA, Sep. 2018 - Dec. 2019 (GPA 3.80)

- M.S. in Computer Science

University at Buffalo - SUNY, Buffalo, NY Aug. 2009 - Jun. 2013 (GPA 3.93)

- B.S. in Chemical Engineering 2013
- Graduated with *summa cum laude*
- Stochastic Model of Pluripotent Cells (Research Assistant in Tzanakakis's Lab)

Skills

- Programing: Java, Python, Ruby, SQL, HTML, CSS, jQuery
- Tools: Jenkins, Atlassian Kanban Board, Cucumber

Projects

- Built Purchase Prediction Model using Jaccard Similarity
- Built Rating Prediction Model using user's bias and item's bias/text sentiment
- Built 1-NN classifier for MNIST dataset of handwritten digit using prototype reduction technique

Experience

IT Consultant, FDM Group, New York, NY - 2015 - 2017 (Contractor in Fannie Mae)

EDI Developer (3 months)

- Polled and consolidated large volume of business data using SQL into MISMO format for vending to Common Securitization Platform
- Created bash scripts to process multiple SQL files in parallel and parse SQL error when fail
- Collaborated with Senior Ab Initio Developer in adjusting source code to accommodate new business requirements

DevOps Engineer (21 months)

- Led a team in standardizing code practice and enforced the rule with validation bash script that prevent repeated errors in higher environments
- Automated deployment with Jenkins along with integrated regression testing suite using Ruby and Cucumber that resulted the 75% reduction in code delivery to stakeholders
- Supported 35+ scrum teams and production teams on multiple levels on monitor and delegate the issue with Kanban Board

Front-End Developer (3month)

- Processed business attributes across different stakeholders and built an internal website for attribute-search application using SharePoint and D3.js
- Constructed a Sharepoint entry form for EDI stakeholders and automated emailing of paper works to corresponding parties

IT Consultant Trainee, FDM Group, New York, NY - Nov. 2014 - Mar. 2015

- Developed RESTful Java web applications using JSP, Spring Framework, and backed by Oracle SQL
- Handled user request with AJAX to asynchronously update the website which is supported by Spring MVC model backend
- Used Hibernate and JDBC persistence framework with data access object (DAO) to communicate with database layer