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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 3.84)**  
• M.S. in Computer Science

## Courses and Projects

Statistical Natural Language Processing

- Created website to decide if a Tweet is from Trump or Non-Trump using LIME visualizer

Recommender System & Web Mining

- Amazon's rating and purchase prediction with collaborative filtering & Jaccard similarity

Advanced Software Engineering

- "Nyan Cat" refactoring by adopting various design principals and design patterns

## Skills

- Programing: Java, Python, Ruby, SQL, HTML, CSS, jQuery
- Tools: Jenkins, Cucumber, Git, JUnit

## Experience

**Amazon, Seattle, WA, Mar. 2020 - Present**

- Conducting game day to improving team's response to system failure event
- Increase service's availability by splitting each region to 3 availability zones and adopting cell-based architecture
- Analyzing throttle limit for service's API's
- Improving service's monitor system and runbooks
- Setting up and implementing a new control plane service with Fargate and JournalDB
- Maintaining infrastructure of service using AWS Cloud Development Kit

**ServiceNow, San Diego, CA, Jun. 2019 - Oct. 2019**

**Software Engineer Intern/Contractor**

- Developed Github Spoke that enables 1 to 1 integration with Github API's with Javascript
- Automating integration tests for the actions with existing code base with Java and Jenkin

**FDM Group, New York, NY - Nov. 2014 - Mar. 2017**

**IT Consultant**

- Built an internal website for attribute-search application for business attributes across different stakeholders with D3, HTML, CSS, JQuery
- Initiated an web automation tool to handle form filling and email that significantly reduced the paperwork and human error with SharePoint
- Standardized code practice and enforced uniformity across different environment which reduce the common human error by 70%
- Started the CICD that resulted the 75% reduction in code delivery to stakeholders
- Supported and managed 35+ scrum teams production Jenkin pipelines
- Polled and consolidated large volume of business data into MISMO format for vending to Common Securitization Platform
- Created scripts to process multiple SQL files in parallel which improve the integration testing process by 50%
- Collaborated with Senior Ab Initio developer in refactoring source code to accommodate new business requirements

