Raymond Zheng

Data scientist, Web developer

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EDUCATION

UNIVERSITY OF WATERLOO
BS in Computer Science
BS in Statistics
3rd Year, Expected December 2019)
Major GPA: 3.4 / 4.0

LINKS

Github.com/**ZhengRaymond**
LinkedIn.com/in/**ZhengRaymond**
http://**zhengraymond.me**

COURSEWORK

UNDERGRADUATE
Cartography, Map Design
Algorithms/Data Structures
Operating Systems
Numerical Computation
Assemblers
Object Oriented Software
Logic and Computation
Applied Probability

ONLINE (MOOC)
Neural Networks/Deep Learning
    (deeplearning.ai)
Deep Learning: RNN/CNN (Udemy)
    (Recurrent/Concurrent Neural Network)
A-Z Machine Learning (Udemy)
React, Redux, GraphQL (Udemy)
Machine Learning (Coursera)

SKILLS

PROGRAMMING
Proficient: Python • Java • JavaScript •
Node.js • React • Redux • React Native •
HTML • CSS • C • C++

Familiar: MatLab • Relay • Go • Flask •
React Native • GraphQL • AngularJS

TOOLS/APIS
Proficient: Git • Optaplanner • Google
OR • Pandas • Scikit-learn • Tensorflow •
MySQL • MongoDB • Selenium •
Kubernetes • Docker

Familiar: Sequelize • Django • Jenkins •
Terraform • Vault • Google Cloud
Platform • AWS (S3, ELB, ALB)

EXPERIENCE

ETSY | Marketing Services Fullstack
May 2018 to August 2018 | New York City

HOMER LOGISTICS | Operations Research Analyst
January 2018 to April 2018 (Present) | New York City

APPDIRECT | Backend Developer
May 2017 to Aug 2017 | Montreal, QC
- Created dashboard for the Kubernetes CLI using websockets to allow real-time updates. Linked Kubernetes with Orchard, a in-house environment provisioning tool for AppDirect.
- Pipelined Segment.io data into analytics to find and implement features to improve user efficiency by 90% and eliminating 5s load time.
- Added search and bookmarking feature to make large audit logs accessible/useful for debugging.
- Wrote scaffolding for new project with MongoDB GraphQL, and complex dynamic forms. The project pipelines the normally tedious process of creating/updating configuration files for deployment infrastructure.
- Reduced context switching and support tickets by implementing "Slackops" to replace dashboards with a interactive chatbot.

GENESYS | Software Analyst
Sept 2016 – Dec 2016 | Toronto, ON
- Automated server monitoring across 100+ machines, fixed and maintained Linux systems (Python, Linux, Zabbix)
- Dockerized scripts to reduce compatibility issues and improve maintainability.
- Used Selenium with analytics to improve user experience, automate tasks, and increase test coverage.

MATHNASIUM | Instructor | Jan 2015 - Aug 2015 | Campbell, CA
PIANO STUDIO | Private teacher | Jan 2015 - Aug 2015 | Cupertino, CA
JIAXUN ELECTRICAL | QA Intern | June 2014 - Aug 2014 | Beijing, China

PROJECTS

TOTAL CONTROL RENT | Dec 2017 - Present
- Scrapes Airbnb (AirAPI) and Craigslist using Cheerio
- Leaflet and Route360 to visualize map data.

STYLEZURE | Hack The North - Sept 2017
- IBM Watson Vision and Google Vision to identify clothing
- Azure Chatbot with Microsoft Text Analytics and LUIS

BLIP | PennApps - Sept 2017
- Clustering Twitter data based on locality, D3 and Leaflet visualization.

PIANOTE | Laurier StartHacks - March 2016
- Responsive web app to "listen" and navigate sheet music.

TETRIS BOT | Waterloo EngHack - Jan 2016
- Artificial Neural network learns the game of Tetris. (C++)