ZHENYE NA

1110 W. Stoughton, Urbana, IL 61801
+1 475 300 8646 ◇ zna2@illinois.edu ◇ Github ◇ LinkedIn

Objective: Actively seeking Software Development Engineer Intern opportunity since 2018 Fall

EDUCATION

Master of Science in Advanced Analytics Aug. 2017 - May. 2019
Concentration in Computational Science & Engineering
University of Illinois at Urbana-Champaign, GPA: 4.0/4.0

Bachelor of Engineering in Harbor, Waterway and Coastal Engineering Sept. 2013 - Jul. 2017
Dalian University of Technology, GPA: 3.67/4.0

SELECTED PROJECTS

Node.js based Marketplace Aug. 2018 - present

- Launched an eCommerce application prototype and WeChat mini-program which helped students selling used products on campus
- Implemented MVC back-end with Express.js and MongoDB and front-end with Bootstrap integrated with Node.js
- Introduced product recommendation system using frequent pattern mining to recommend similar products

Full Stack Web Application: Q&A Community Jul. 2018 - Aug. 2018
https://qac.herokuapp.com/

- Designed a Q&A Community Web Application using AngularJS for front-end, Laravel and MySQL for back-end
- Designed database schema and maintained database in MySQL using Laravel Migration mechanism
- Introduced features like upvote/downvote, following users and question recommendation in the application

MAMP based eCommerce Application: Mining Rig Assembly Mar. 2018 - May 2018
http://rigassembly.web.engr.illinois.edu/

- Developed an MAMP based eCommerce application for browsing, storing rig setups and estimating performance
- Implemented using Bootstrap for front-end, MySQL for back-end, FushionCharts for data visualization
- Designed and maintained database in MariaDB by 3rd-party API integrating Amazon and Newegg
- Introduced additional features like product information visualization, price notification, rigs payback period computation and recommendation system

WORKING EXPERIENCE

Data Analyst Intern Sept. 2016 - Nov. 2016
Dalian Highway Construction Group *Dalian, China*

- Evaluated Highway maintenance cost based on factors like traffic weight, bridge/tunnel ratio and so forth
- Adapted Linear Regression and Nonlinear regression model in SPSS and residual between predicted cost and ground-truth is within 10%
- Created data visualization in EXCEL for Cost Manager by using VBA
- Optimized road maintenance cost by 20% based on the appraisal factor model

TECHNICAL SKILLS

Languages	Python, Java, MATLAB, SQL, Shell scripting, JavaScript, Julia
Frameworks	Tensorflow, Pytorch, Express.js, Node.js, AngularJS, REST
Tools	MySQL, MongoDB, Hadoop, Spark