

ZHENYE NA

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EDUCATION

Master of Science in Advanced Analytics Concentration in Computational Science & Engineering University of Illinois at Urbana-Champaign, GPA: 4.0/4.0	Aug. 2017 - May. 2019
Bachelor of Engineering in Harbor, Waterway and Coastal Engineering Dalian University of Technology, GPA: 3.67/4.0	Sept. 2013 - Jul. 2017

SELECTED PROJECTS

Full Stack Web Application: a Q&A Community <i>https://qac.herokuapp.com/</i>	Jul. 2018 - Aug. 2018
<ul style="list-style-type: none">Designed a Q&A Community Web Application using AngularJS for front-end, Laravel and MySQL for back-end with HTML, CSS, JavaScript and PHPIntegrated features like upvote/downvote, following users and question tags in the applicationDesigned database schema and maintained database in MySQL using Laravel Migration mechanism	
MAMP based Mining-Rigs Web-store: Mining Rig Assembly <i>http://rigassembly.web.engr.illinois.edu/</i>	Mar. 2018 - May 2018
<ul style="list-style-type: none">Developed an MAMP based web-store application which is used for browsing, storing rig setups and estimating performance in an integrated websiteImplemented using HTML, JavaScript and CSS for front-end, PHP and MySQL for back-end, FushionCharts for data visualizationDesigned and maintained products database (CRUD) in MariaDB by 3rd-party API integrating Amazon and NeweggIntroduced additional features like product information visualization, price notification, rigs payback period computation and so forth	
Classical Music Generation with Machine Learning <i>This project will be updated/deleted in the next version</i>	Apr. 2018 - May 2018
<ul style="list-style-type: none">Preprocessed classical music into MIDI files in Python packagesImplemented GAN with LSTM layers as generative model for creating classical music in Tensorflow frameworkImproved generated music result by using RBM with Gibbs Sampling	

WORKING EXPERIENCE

Data Analyst Intern <i>Dalian Highway Construction Group (Bullet points here are currently being updated)</i>	Sept. 2016 - Nov. 2016 <i>Dalian, China</i>
<ul style="list-style-type: none">Analyzed road maintenance data with VBA and realized data visualization in EXCELOptimized cost of road maintenance by 20% in the final plan I participated in	

TECHNICAL SKILLS

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