

Yike Shi (Frank)

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Objective

Master of Electrical and Computer Engineering graduate with a passion to innovate and strong knowledge and experience in computer software and hardware. Seeking a position for Entry Level Software Development Engineer.

Education

Illinois Institute of Technology (IIT), Chicago, IL, USA

Master of Science, Electrical Engineering

Sept. 2014 – May. 2017

Courses: Object-Oriented Programming and Computer Simulation, Computer Vision and Image Processing

Xi'an University of Science & Technology (XUST), Xi'an, China

Bachelor of Science, Electrical Engineering

Sept. 2010 – July. 2014

Courses: Data Structure and Algorithms, Programming Design of High-Level Language, Object-Oriented Technology

Employment

Parsons Corporation, Irvine, California, US

System Engineer

August 2017 – Present

- Design, implement and operate Intelligent Transportation System in JAVA
- Design test plan and test case according to user requirements specification and related documents
- Generate database report for Advanced Traffic Management System for real time data analysis

Seismic Source Company, Ponca City, Oklahoma, US

June 2016 – Aug. 2016

Software & Hardware engineer Internship

- Implement industry test for Seismic Recording System, Geophone-Hydrophone-Vibrator Testing System
- Debug and set initial parameters to fit instrument combinations working system in CalibDAQ and Sigma Setup
- Analyze seismic waveform database from time-break trigger and draw charting by Observer

Technical Experience

High Availability Online Shopping System for Black Friday

October 2021 - December 2021

- Use distributed lock and DB Index Optimization to build MySQL database
- Use Rate Limiting and Circuit Breaker to reduce server pressure
- Optimization: Static Page Technology, Anti-reptile

San Francisco-Oakland Bay Bridge Metering (Parsons)

August 2020 - March 2021

- Set up testing environment and arrange testing system, design test plan and write test case
- Use SoapUI database metrics for performance testing, Compile report in MySQL and evaluate quality of software

Neural Networks and Deep Learning (IIT)

Jan 2017 – May 2017

- Use Python to build Machine Learning modeling in image detection and analysis
- Design greyscale value algorithm optimizing for handwritten identification

Object-Oriented Programming and Simulation (IIT)

Aug 2015 – Dec 2015

- Design a complex computer simulation program supported by C++
- Design and implement a computer simulator following test-driven and iterative/incremental software practices.
- Design logic simulation and event-driven simulation and use Agile development

Skills & Abilities

Software: Visio Studio, Github, Matlab

Computer Language: Java, Python, C/C++