

HUI LI

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EDUCATION

University of Wisconsin-La Crosse (La Crosse, WI)

Master of Software Engineering

Sept 2018 - May 2020

GPA: 3.68/4.00

South-Central University for Nationalities (Wuhan, China)

Bachelor of Software Engineering

Sept 2015 - June 2018

GPA: 4.09/5.00

PROJECTS

RoloBox

Mobile Contact Management System with Facial Recognition

Sept. 2019 - Apr. 2020

Capstone Project

- Agile methodology, Scrum specifically, used in development process.
- UI designed with Material system and prototyped with Sketch. API design followed with REST paradigm.
- Use of AWS S3 for image cloud storage, AWS Rekognition for facial analysis. Use of ML kit from Google Firebase for real-time face detection.
- Web application developed with Angular, mobile client developed with Flutter.
- Security implementation: Authentication and authorization middleware used in Node.js, XSS and CSRF protection enabled both in client and server side.
- Keyword: Angular, Node.js, Flutter, MongoDB, AWS, Firebase

WeatherList

A Web Application that Manage A List of Cities and Their Weather Conditions

Apr. 2019 - May 2019

Course Project

- Use of a third-party endpoint for providing weather data given a latitude and longitude.
- Server developed with Spring Boot, use with Thymeleaf template engine for server side rendering.
- Spring security configuration enabled for user session management and CSRF protection.

TopoNet

Educational Tool for Demonstrating Network Topology

Feb. 2019 - Apr. 2019

Group Project

- Use of Angular for front-end, Cytoscape.js for node visualization. Endpoints followed RESTful paradigm.
- Use of Queue data structure and Promise in JS to prevent callback hell during node animation. Use of Observable interface from RxJS for sibling components interaction in Angular.

SimpleCart

A Shopping Software with Cart Support

Sept. 2018 - Nov. 2018

Course Project

- Use of Bootstrap and JQuery for front-end, Java Servlet and JDBC for backend, MySQL as database.

ACADEMIC PRESENTATION

Hui Li and Kenny Hunt, RoloBox: An Image-Aware Mobile Application using the AWS Ecosystem, The 53rd Annual Midwest Instruction and Computing Symposium(moved online), April 3, 2020.

TECHNICAL STRENGTHS

**Programming Languages
Skills & Framework**

JavaScript, Java, HTML5, CSS, Dart
Angular, Node.JS/Express, MongoDB, Flutter, Spring Boot