

# Yuhan Raina Zhou

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## EDUCATION

<b>Carnegie Mellon University, Pittsburgh, PA</b> MSIT E-Business, School of Computer Science, GPA: 3.67	<b>August, 2017</b>
<b>Purdue University, West Lafayette, IN</b> B.S. Management Major with MIS Specialist	<b>May, 2016</b>
<b>Udacity - Full Stack Web Developer Nondegree</b>	<b>Jan 2017 - Present</b>

## SKILLS

Languages: Java, JavaScript(ES6), MySQL, Python  
Web Technologies: HTML5, CSS, Bootstrap, jQuery, AJAX, AngularJS, J2EE, JSP, React, NodeJS, SaaS  
Frameworks & other tools: Linux, Spring MVC, Jersey, Rational Rose, Illustrator, InDesign, Tableau

## PROJECTS

<b>Mobile Trip Assistant</b>	<b>April – May 2017</b>
<ul style="list-style-type: none"><li>Designed and developed a native app that enables people to plan the trip by specifying the origin and destination.</li><li>Created wireframes, and detailed specifications for the app, and conducted usability test to inform UX strategy.</li><li>Worked extensively with Java, Android Studio and third party API including google map and port authority API.</li></ul>	
<b>Mutual Fund Trading Web Application</b>	<b>Jan – Feb 2017</b>
<ul style="list-style-type: none"><li>Implemented more than 20 use cases for customer and employee to manage mutual fund, using J2EE and MVC.</li><li>Deployed the system on AWS EC2 instance with Tomcat server to ensure performance, scalability and availability.</li><li>Optimized and scaled the app as RESTful web service by handling over 1400 RPS with an accuracy of 99.42%.</li></ul>	
<b>Online Pharmacy User Interface Design and Testing</b>	<b>Sept – Nov 2016</b>
<ul style="list-style-type: none"><li>Designed an e-commerce website for a leading Healthcare provider (UPMC) using data from contextual inquiries. Used HTML, CSS with Bootstrap, JavaScript(ES6), and jQuery.</li><li>Identified usability issues by conducting user testing and documenting every breakdown, error condition that the user encounters. Re-designed the website based on heuristic evaluations to optimize user experience.</li></ul>	
<b>Contact Management Application</b>	<b>May 2017</b>
<ul style="list-style-type: none"><li>Designed and developed a web application for contact management using with Node.js, AngularJS and Bootstrap.</li><li>Employed local storage to stored and retrieved contact data.</li></ul>	
<b>MyFavorite Web Project</b>	<b>Nov – Dec 2016</b>
<ul style="list-style-type: none"><li>Developed a web application for users to register, login, manage account and share favorites web pages.</li><li>Implemented website using MVC design pattern, J2EE, JDBC, JSP, JSTL and Apache Tomcat and managed concurrent data with MySQL, JavaBeans and ORM framework(GenericDAO).</li></ul>	
<b>Carnegie Financial Service SEO and Data Mining</b>	<b>March – April 2017</b>
<ul style="list-style-type: none"><li>Evaluated existing site infrastructure and analyzed keyword market on targeted markets searching habits.</li><li>Re-designed and tested existing site and improved average ranking of new site from 987 to top 10 among 4544 competitor's webpages for 35 key search phrases.</li><li>Applied KNN algorithm to predict new customer buying habit and new product introduction sales volumes.</li></ul>	

## EXPERIENCE

<b>Web Content Developer   NearbyEx.com</b>	<b>Aug 2014 – May 2015, Lafayette, IN</b>
<ul style="list-style-type: none"><li>Worked collaboratively with UX team to evaluate site performance and identify opportunities for improving digital marketing strategies, contributing to a 30% increase in brand awareness within 2 months.</li><li>Reviewed web analytics data to identify incohesive and underperforming web content.</li><li>Utilized Content Management Systems to execute updates and enhancements on a regular basis.</li></ul>	