

# Yuan Yao

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## Education

<b>University of California, Riverside</b> <i>Master of Science, Computer Engineering. Graduated on June, 2017.</i>	<b>2015–2017</b>
<b>University of California, Riverside</b> <i>Graduate Preparation Program in Electrical Engineering.</i>	<b>2014–2015</b>
<b>Huazhong University of Science and Technology</b> <i>Bachelor of Science, Electrical Engineering.</i>	<b>2011–2014</b>

## Experience

<b>Software Engineer Intern</b>	<b>ESRI China</b> <i>July–August 2016</i>
<ul style="list-style-type: none"><li>Collect data from websites with <i>Scrapy</i>, a web crawling framework written in Python.</li><li>Use ArcGIS 10.3 to create visual cartography. The demo is a 3D visualization map built in ArcGIS JavaScript API and <i>Django</i> in which a user can see all the information including heat map of the attractions around the world that were crawled from website.</li></ul>	

## Projects

<b>YYNEXT</b>	<b>Personal Website</b> <i>July–August 2017</i>
This is my personal website built with React.js. I used some parallax layout to interact with users. The site is running on an instance of AWS EC2. I served all my web apps in several subdomains under my personal domain using Nginx reverse proxy.	
<b>BLOG</b>	<b>Blog Website</b> <i>July–August 2017</i>
This is my dynamic blog website ( <i>updating</i> ). The backend is a RESTful API server built with Node, Express and MongoDB that sends data in JSON. The front-end is a React and Redux client that makes Ajax requests to server and renders the UI for users. The website has a log in system.	
<b>YelpCamp</b>	<b>Yelp Camp</b> <i>July–August 2017</i>
This is a place to share campgrounds all around the world. This website is built with Node, Express and MongoDB in REST routes. A registered user can post a new campground and leave comments on all existing campgrounds.	
<b>Master's Project</b>	<b>University of California, Riverside</b> <i>March–June 2017</i>
Real Estate Analysis: Analyze what people in the real estate world are talking about every day. To accomplish this, I crawled more than five million posts from two real estate forums and saved them to MySQL database. Then I analyzed the posts from the two forums to find popular key phrases (both unigrams and bigrams) and sentiments for every city and state in every month using natural language processing tools such as <i>NLTK</i> and <i>scikit-learn</i> written in Python. Advisor: Prof. Vagelis Hristidis.	
<b>Messenger Project</b>	<b>University of California, Riverside</b> <i>January–March 2016</i>
A chat application built with Java and PostgreSQL working in Bash.	
<b>Rshell Project</b>	<b>University of California, Riverside</b> <i>March–May 2015</i>
A bash like command shell written in C++ working in Linux.	

## Computer Skills

**Languages:** Python, JavaScript, C/C++, Java, HTML5, CSS3, Swift  
**Front-End:** React, Redux, jQuery, Bootstrap, Semantic UI  
**Back-End:** Node, Express, MongoDB, MySQL, RESTful API, PostgreSQL, Django, Nginx, Tomcat  
**Development:** Git, AWS, Scrapy, Docker, Linux