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EDUCATION	<div>University of California, Irvine</div> <div>M. S. in Networked Systems</div> <div>Dept. of Computer Science, ICS &amp; EECS Joint Program</div> <div>Zhejiang University</div> <div>B. S. in Resource Science</div> <div>Environmental Resource Information System &amp; Remote Sensing Track</div>	<div>Irvine, CA</div> <div>Sept '18 - June '20</div> <div>Hangzhou, China</div> <div>Sept '14 - June '18</div>
SKILLS	<div>Languages</div> <div>Tools</div> <div>Frameworks</div>	<div>Java, JavaScript, Python, Swift, Objective-C, Bash, SQL, LaTeX</div> <div>git, AWS, RESTful APIs, MongoDB, MySQL, Docker, Vi/Vim</div> <div>Vue, Angular, Node, Express, Django, Cocoa</div>
EXPERIENCE	<div>Software Development Engineer Intern</div> <div>WeiEase Tech</div> <div><div>- Crafted search result views in <b>Objective-C</b> and optimized <b>CRM</b> search logic layer</div><div>- Transferred and rearchitected parts of UIKit Cocoapod from Objective-C to <b>Swift</b></div><div>- Developed an admin dashboard for content management using <b>Vue.js</b> and <b>Element UI</b></div></div>	<div>Hangzhou, China</div> <div>Mar '18 - July '18</div>
PROJECTS	<div>Distributed Search Engine</div> <div>Python / Scrapy / MySQL / Redis / Elasticsearch / Django</div> <div><div>- Devised crawl spiders to retrieve and extract raw <b>HTML</b> from websites by <b>Scrapy-Redis</b> framework</div><div>- Broke through anti-crawling by user-agent switching, IP proxy, auto-verification code recognition</div><div>- Rewrote Downloader Middleware with <b>Selenium</b> and <b>Phantom.js</b> for dynamic web pages crawling</div><div>- Developed suggester, search history and auto-complete features with <b>Django</b> and <b>ElasticSearch</b></div></div> <div>MEAN-Stack Online Message Board</div> <div>Angular / Node.js / MongoDB / Express.js / TypeScript</div> <div><div>- Designed and developed responsive SPA using <b>Angular Material</b> Design components</div><div>- Deployed <b>RESTful Microservices</b> using <b>Express.js</b>, <b>Node.js</b> and <b>MongoDB</b> as backend</div><div>- Implemented <b>JWT</b> authentication, optimized user experience with <b>AJAX</b> and <b>Bootstrap</b> layout</div></div> <div>Socket.io Chat System</div> <div>Socket.io / Unity / C# / MVC / WebView / MySQL / jQuery</div> <div><div>- Implemented message transmission feature by <b>WebSocket</b> network protocols</div><div>- Developed WebSocket server in <b>C#</b> to parse protocols and manage chat message transmission</div><div>- Built UI Components by <b>Unity</b>, utilized <b>WebView</b> controller in parallel <b>Android</b> chat system</div></div> <div>iOS Machine Learning Vector Calculator</div> <div>Swift / Cocoa / Python / Core ML / Core Data / SQLite / Realm</div> <div><div>- Converted MNIST database into MLModel by <b>Core ML</b> tools to recognize handwritten equations</div><div>- Developed a <b>SQLite</b> database back-end for local <b>Core Data</b> management using <b>Datum</b></div><div>- Deployed <b>Realm</b> method for historical mathematical computing data persistence</div></div>	<div>Jan '18 - Mar '18</div> <div>Dec '17 - Jan '18</div> <div>Sept '17 - Nov '17</div> <div>Mar '17 - June '17</div>