

# Mark S. Kim

Software Engineer

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## Technical Skills:

<b>Strong</b>	JavaScript, React, Redux, Angular, RESTful API, Node, Express, MySQL, MS SQL Server, Google Maps API, Chrome DevTools, Git
<b>Experienced</b>	Backbone, Bootstrap, AWS, jQuery, NoSQL, MongoDB, socket.io, Webpack, ES6, Visual Basic, XML

## Project Experience:

<b>nimblecode</b> React Redux socket.io Node/Express Ace Editor	<b>Product Manager, Software Engineer</b> - <a href="https://nimblecode.io">nimblecode.io</a> <i>Code typing racing game with singleplayer and live multiplayer modes</i> <ul style="list-style-type: none"><li>- Developed a single-page app using React/Redux</li><li>- Wrote code-typing gameplay logic and designed multiplayer game functionality using sockets</li><li>- Implemented Redux actions and reducers for application's global state</li><li>- Led team in product design and technology decisions</li></ul>
<b>StudyMate</b> Node/Express MySQL Angular Bootstrap	<b>Product Manager, Software Engineer</b> - <a href="https://study-mate.herokuapp.com">study-mate.herokuapp.com</a> <i>Web app that connects people with study partners and organizes meet ups by location and topic</i> <ul style="list-style-type: none"><li>- Developed the RESTful API back-end to communicate with the MySQL database</li><li>- Constructed the MySQL db schema to store user/event data and user/event relationships</li><li>- Implemented server-side authentication and client-side sessions using tokens and BCrypt</li><li>- Led stand up meetings, drove product decisions, and established team practices</li></ul>
<b>Brew4Two</b> Angular Google Maps API Node/Express MongoDB	<b>Software Engineer</b> - <a href="https://brewfortwo.herokuapp.com">brewfortwo.herokuapp.com</a> <i>Dating app that allows users to schedule dates at local coffee shops</i> <ul style="list-style-type: none"><li>- Wrote logic to display search results and map markers based on geolocation or map drag</li><li>- Integrated Google Maps API with front-end design features</li><li>- Designed user/event authentication and validation using Angular and Express</li></ul>
<b>Combined Leak Detection Project</b> Visual Basic MS SQL Server	<b>Atmos Engineering Lead</b> <i>Pipeline leak detection project combining statistical analysis and pressure wave technology</i> <ul style="list-style-type: none"><li>- Implemented scripts in Visual Basic to combine data from both leak detection technologies</li><li>- Configured Atmos leak detection systems to interface with clients' SCADA control systems</li><li>- Co-authored technical paper and presented at pipeline technology conference</li></ul>

## Work Experience:

<b>Atmos International</b> Anaheim, CA	<b>Project Engineer</b>	<b>2012 - 2016</b>
<ul style="list-style-type: none"><li>- Developed advanced leak detection scripts using Visual Basic</li><li>- Implemented and maintained leak detection SQL databases and leak detection servers</li><li>- Managed and led 6-8 concurrent implementation projects</li><li>- Generated revenue totaling \$3 million by delivering 40 projects</li><li>- Mentored three junior engineers and led project teams of 2 and 3</li></ul>		

## Education:

<b>MakerSquare LA</b>	Advanced Software Engineering Immersive	<b>2016</b>
<b>UCLA</b>	B.S. in Civil Engineering, Minor in Environmental Engineering	<b>2012</b>

## Personal Interests:

I enjoy travelling (15 countries), youth mentorship, NBA/NFL/MLB, iPhone jailbreaking, and good coffee. I also ran with the bulls in Spain while on a study abroad program.