

## Kyoseong Ku (Austin)

kyoseong.com • kyoseongku@gmail.com • 626-222-2141

### TECHNICAL

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Dylect

Dec. 2015 - Present

*JavaScript/Node.js Developer*

Los Angeles, CA

- Developed a peer-to-peer, one-on-one video chat app into the browser which eliminates the need to install software and diminishes server costs since data is transferred directly between the participants
- Built and integrated a multi-user collaborative whiteboard with the ability to share images onto the whiteboard and draw on them in color, as well as undo and zoom functionalities
- Integrated into the text chat the ability to translate between 104 languages and speech-to-text capabilities in 70 dialects
- Utilized a templating engine to separate the content from its presentation so that localization is as simple as translating the content files and design changes would require modifying just the presentation template
- Organized the front-end JavaScript code as modules of closures and wrote a script to concatenate, minify, and obfuscate the source files
- Set up the infrastructure on AWS which includes: EC2 with automatic scaling and load balancing via Elastic Beanstalk, S3 with CloudFront on HTTPS, DynamoDB with indexes for efficient queries as well as its schemata, and Lambda for cron jobs
- Authored most of the HTML and CSS using the Materialize framework

#### Other projects (details at [kyoseong.com](http://kyoseong.com)):

- Augmented reality for the web with image, video, and 3D object placement using color-based tracking
- Map web app with geolocating, distance calculating, and routing features along with the ability to use Google Sheets as a data store of location values
- Video and text chat using WebRTC and WebSockets
- Helicopter game using C++ and OpenGL
- Desktop scheduling application in Java that exports a Microsoft Excel file

**Comfortable with:** HTML, CSS, JavaScript (JSX, ES6, and Node.js)

**Okay with:** C, C++, Java

**Technologies:** AJAX, AWS, Babel, Bootstrap, Express, Firebase, git, Jade/Pug, jQuery, Linux, Materialize, NoSQL, Promises, React, REST, tracking.js, WebRTC, WebGL (three.js), Webpack, WebSockets (Socket.io)

### EDUCATION

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University of California, Los Angeles (UCLA)

Dec. 2015

Computer Science, B.S.

#### Relevant coursework:

Object-oriented Programming, Data Structures, Algorithms & Complexity, Software Engineering, Web Applications, Database Systems, Computer Architecture, Operating Systems, Graphics, Networks

### ADDITIONAL INFORMATION

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UCLA Boxing Club

Nov. 2012 - Dec. 2015

UCLA Triangle Fraternity

Oct. 2012 - Dec. 2015

*Self-improvement Chair*

Jan. 2014 - Dec. 2014

- Introduced "Kudos" to improve members' self-esteem and to encourage geniality
- Led activities to improve members' social skills and self-confidence

Certified Pharmacy Technician

Mar. 2011 - Mar. 2013

- Self-taught in two weeks and became certified by the Pharmacy Technician Certification Board

United States citizen, bilingual in Korean

Currently residing in Los Angeles, willing to relocate