DAVID KIM
SOFTWARE ENGINEER

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TECHNICAL SKILLS

Front-End: JavaScript (ES5, ES6+), React, React-Native, Babel, Webpack, jQuery, CSS, HTML, Victory.js
Back-End: Node.js, Express.js, MongoDB, MySQL, PostgreSQL, Cassandra, Mongoose, Sequelize, NGINX
Dev Tools & Techniques: AWS EC2/S3, Jest, Chai, Mocha, Git, SOA, Agile Workflow, Remote Pair Programming

SOFTWARE APPLICATIONS

Homents | *Full-Stack Engineer* | *React, MongoDB, Node, Express*   *github.com/HRR49HouseStark/Photos*
A dynamic listing page of a real estate e-platform; Created utilizing agile development on team of 3
- Programmed listing details for the Photo Gallery and Image Carousel module into React Hooks
- Designed a professional UI incorporating original modals built with Styled-Components, to increase performance, readability, and reusability of styles, as well as CSS Grid and Flexbox
- Evaluated listings data and modeled MongoDB schema, using Mongoose, for query efficiency
- Integrated individual microservices with reverse proxy servers, deployed with AWS EC2

NearMiss | *Back-End Engineer* | *PostgreSQL, Node, Express, NGINX*   *github.com/hrr49-teamThirteen/about-this-item*
A digital retail marketplace for users to search/purchase/review products
- Scaled the backend using PostgreSQL and Express to handle 10+ million products
- Reduced query speeds by 89.4% from 21ms to 2.22ms by switching from Cassandra to PostgreSQL
- Stress tested the application at 1,000+ requests per second using Artillery.io, Loader.io, and New Relic
- Improved latency and throughput by 97% and 60.5% respectively while maintaining a 0% error rate by horizontally scaling the application with NGINX load balancers and caching
- Enhanced Google Page Load Speed by 53.8% using Botli text compression and compression middleware

Pluck | *Full-Stack Engineer* | *React-Native, MySQL, Node, Express*   *github.com/davidhk21/Pluck*
A mobile app built to help users with productivity and personal finance
- Designed logic to render a user's ATS (Available-To-Spend) for a given month using a task-completion system based on the user's salary
- Built the productivity/budgeting mobile app using React-Native to function across multiple platforms and to provide a smooth and responsive user interface
- Implemented dynamic data visualization tools for improved user experience using Victory.js

PROFESSIONAL EXPERIENCE

PricewaterhouseCoopers (PwC) | *Experienced Assurance Associate*   2019 - 2020
- Performed detailed testing and trend analytics of financial statement accounts through a version control system for Fortune 500 companies in the technology, media, and telecommunication industry
- Optimized client engagement support by over 200% through daily communication with the firm's global acceleration center network
- Created work papers and performed analytical procedures from raw client data and documents
- Collaborated with clients, working hand in hand to deliver a quality product within the client's timeframe

EDUCATION

Pepperdine University | *B.S. in Accounting*   2015-2019
Fudan University | *Study Abroad in Shanghai, China*   2016-2017

INTERESTS

I am passionate about people and self-improvement, and I hope to use my technical and non-technical skills to work on applications that have a positive impact on the end user. In my free time, I enjoy playing volleyball and basketball, journaling, and watching 'The Office'.