ISAAC YOON
Software Engineer

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TECHNICAL SKILLS

Languages	Javascript (ES5 & ES6) • CSS • HTML5 • SQL • previous exposure to JAVA, C++
FrameWork	Polymer • REACT JS • React-Native • Angular JS • Node JS. • Express JS • Backbone • Mocha / Chai
Database	MongoDB + Mongoose • MYSQL • Bookshelf • Sequelize
Libraries	Bootstrap CSS • Materialize JS • Grunt • JQuery • D3 • Bluebird • Knex
Tools	Github • Git • Redux • Webpack • Babel • Postman • Heroku • DigitalOcean • Gulp • NPM

PROFESSIONAL EXPERIENCE

Age of Learning: *Software Engineer | Glendale, CA*   Aug/17 – Current
- Migrate legacy applications written in AngularJS to LitElement and rebuild current ABCmouse.com website using Polymer that is cross-browser/cross-device compatible and further optimized
- Build reusable Polymer components for newest P38 project that is both desktop and mobile compatible
- Develop and maintain internal curriculum development tools using AngularJS and tested with Mocha/Jasmine
- Develop pixel perfect pages in close collaboration with UI/UX designers
- Projects: ABCMouse.com, ReadingIQ.com, AdventureAcademy.com

Hack Reactor : *Software Engineering Fellow | San Francisco, CA*   May/17 – Aug/17
- Instructed and supported 150+ students using Reactor Prep curriculum that includes basic and functional javascript
- Facilitated live coding sessions for 150+ students on commonly misunderstood topics
- Created solution lectures videos for previously completed sprints

Da Vinci / Animo Leadership Charter High : *12th Grade Calculus Teacher | Hawthorne, CA*   May/12 – Jun/16
- Implemented a project-based curriculum in which students addressed real world issues using higher level math in Statistics and Calculus - for sample work, please visit http://iyoon.weebly.com/about.html
- Conceptualized and initiated a 12th grade digital portfolio program to increase student self-advocacy, foster creativity, and document students' interdisciplinary projects
- Analyzed students' academic assessment data to better provide student-catered teaching and achieved highest Geometry benchmark scores among all Green Dot Schools, consistently outperforming district averages by 25% in Pre-Calculus and Math Analysis and subsequently earned The Teacher of the Year Award
- Designed and implemented a peer coaching system called the Math Coach program, an adaptation of Target's business model, that raises student leaders responsible for their respective groups' performance. This was adopted by 4 other teachers for its effectiveness in delivering hard results (19% increase) and accountability among students

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SOFTWARE PROJECTS

LimeRock App, *Software Engineer | Product Owner*   *https://github.com/nazguls/thesis*
Gamified mobile stock trading simulator that allows users to compare their returns to friends and major benchmarks
- Provided solution to state limitation using Redux and improved code readability and maintainability
- Created modular and reusable styling components that utilize flexbox and can be called using tag names
- Envisioned and designed app layout and utilized d3 to implement responsive chart data based on period selected
- Implemented buy/sell support through asynchronous server side code to various APIs through the use of promises
- Automated fetching live stock data and persist user info to the database through use of cron job

Llama, *Software Engineer*   *https://github.com/brandybucks/brandybucks*
Educational platform for teachers to track and assist students with disabilities
- Designed tables schemas to fit the needs of student-teacher-parent relational data and maintained them in both local and deployed server
- Modularized server-routing enabling spin-off into Docker components for deployment
- Constructed queries to fetch data from multiple join tables using Knex query builder

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EDUCATION
- Hack Reactor, *Advanced Software Engineering Immersive Program*   Graduated 2017
- Johns Hopkins University, *MS in Educational Studies*   Graduated 2015
- University of Southern California, *Dual BS in Accounting and Business*   Graduated 2010