TIANYU **DUAN**

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SKILLS Ruby, Rails, JavaScript, jQuery, PHP, HTML, CSS, SQL, React.js, Node.js, Redux, Python, Assembly, AWS

EXPERIENCE

ASSOCIATE SOFTWARE ENGINEER

Finret   June 2018 - Present
- Collaborated with designer to successfully develop and design a sleek and responsive homepage, built using Semantic UI React.
- Generated ORM code from MySQL database, set up new appBundle to link database into a separate server and engineered company progress graphs using Chart.js for investor viewing.
- Created a singular email template, written in PHP, to handle all automated emailing messaging for company use.
- Developed an accordion component with React that based off of user option will conditionally rendering components depending on choice and upon selecting an option, will set the user option in the MySQL database.
- Experienced in integrating 3rd party APIs into company platform, integrations include: Trello, Pipl , Sendgrid and Dompdf.

SOFTWARE ENGINEER INTERN

Finret   April 2018 – June 2018
- Integrated Trello API into PHP backend that generates a Trello sales ticket upon customer registration.
- Successfully deployed mobile content pages and payment modals using React.js that scale to a myriad of smart phone dimensions.
- Developed components that sends entities from the database as well as information from TransUnion and Yodlee services to the front end to be rendered as a user credit report.

PROJECTS

LifeGoals (AWS Lambda, Serverless DynamoDB, React, Node.js) | *Joint Developer*   Live | Github

Single page application built on a serverless platform focused on scalability and personal use

- Integrated Serverless Webhosting while managing AWS infrastructure
- Connecting AWS Cloudfront, Cognito, Lambda, and DynamoDB all in one app
- Currently under development*

FISH PX (JavaScript, Redux, React, Ruby, Rails) | *Sole Developer*   Live | Github

Full stack app designed for exploring and uploading breathtaking oceanic photography

- Implemented a unidirectional data flow using Redux architecture for DOM rendering.
- Administered user authentication using bcrypt gem to persist user information by utilizing a PostgreSQL database.
- Incorporated Masonry and Google's design language, Material UI, to produce a fluid user experience.
- Images uploaded to the cloud using Cloudinary API, reducing server load and allowing the app to scale smoothly.

JAVASCRIPT 30 (Vanilla JavaScript) | *Sole Developer*   Live | Github

30 JavaScript projects in 30 days to gain mastery of the fundamentals

- Proficient in DOM manipulation, ranging from modifying values and attributes to using JavaScript data capture and event handling to display dynamic UI functionalities.
- Implemented voice text function using Speech Recognition API, creating a simple, talking and listening A.I..
- Expedited the procurement of required data from unique website architectures comprised of JSON using AJAX.
- Images uploaded to the cloud using Cloudinary API, reducing server load.

EDUCATION

Full Stack Web Development - *App Academy (Fall 2017)*
Computer Science Education – *Mission College, Santa Clara (2016)*

Related coursework: Introduction to x86 Processor Assembly Language, Software Development with Java, Intro to Data Structures Using Java, Discrete Math, Python Programming
B.S. Biological Sciences- *UC Davis, Davis, CA, (2009 – 2013)*