TIANYU DUAN

SOFTWARE DEVELOPER

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SKILLS

JavaScript

Ruby

SQL

React.js

Java

jQuery

Python

CSS

Assembly

HTML

EDUCATION

APP ACADEMY
San Francisco
Extensive programming boot camp with
< 3% acceptance rate
2017

COMPUTER SCIENCE,
Mission College
2016
Coursework:
Introduction to x86 Processor
Assembly Language, Software
Development with Java, Intro to Data
Structures Using Java, Discrete Math,
Python Programming

BIOLOGICAL SCIENCES B.S,
UC Davis, 2009-2013

PROJECTS

CONNEQT
Mobile app engineered to easily connect with others
Front-End Engineer (MongoDB, Express, React-Native, Node.js)
Github
- Pioneered idea and supervised developers by delegating specific tasks to maximize time efficiency
- Augmented Airbnb's map API for geolocation user tracking
- Ensured developers were on task and on message

FISH PX
Full Stack app designed for exploring and uploading breathtaking oceanic photography inspired by 500px
Full-Stack Engineer (Rails, Redux, React, JavaScript, HTML, CSS)
Github|Live
- Integrated BCrypt to ensure secure user authentication
- Administered React components that update in real time via AJAX requests
- Implemented a unidirectional data flow using Redux architecture for DOM rendering
- Incorporated react-Masonry and Google's design language, Material UI, to produce a fluid user–experience

FLAPPY FISH
A platform browser game with an object-oriented design inspired by Flappy Bird
Front-End Developer (HTML5 Canvas, JavaScript)
Github|Live
- Built an 2D collision detection system using axis-alignment algorithms
- Utilized HTML5 Canvas for environment and object rendering, creating a detailed gameplay environment

EXPERIENCE

Molecular Biologist
Complete Genomics, 2016
- Executed EVOware scripts via EvoScriPy API to administer pipetting protocols on the Tecan Evo Freedom Liquid Handlers
- Fostered continuous improvement in the workplace with Kaizen and lean manufacturing techniques

Research Associate
Beijing Genomics Institute, 2013 - 2015
- Delegated additional task as on-site technician for troubleshooting, configuring, and installing all laboratory computers
- Developed and documented Standard Operation Protocols for production and quality control experiments
- Achieved rapid turnaround time as a team by producing approximately 200 RNA libraries weekly