530-312-1541

tianyuduan1991@gmail.com

linkedin.com/in/tianyu-duan

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 original idea and lead it to completion through supervision and time management of developer tasks
- Assimilated Airbnb's map API for geolocation-based user tracking
- Ensured developers stayed on task and communicated effectively

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 a 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
- Optimized pipetting speeds by utilizing 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 an 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