



# TIANYU DUAN

Software Developer

## SKILLS

- JavaScript
- HTML 5
- CSS 3
- React
- Redux
- Ruby
- Rails
- SQL
- jQuery
- Java
- Node
- Python
- Assembly
- Git

## ABOUT ME

Front-end developer passionate about learning new technologies and developing awesome apps!  
Fluent in JavaScript, Ruby and English.

I am interested in new opportunities and would love to chat!

LEARN MORE

## PROJECTS

### CONNEXT

MongoDB, Express, React-Native, Node.js



### SINGLE PAGE MOBILE APPLICATION BUILT TO NETWORK WITH ONE ANOTHER

Pioneered 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

JavaScript, Redux, React, Ruby, Rails



### FULL STACK APPLICATION DESIGNED FOR EXPLORING AND UPLOADING BREATHTAKING OCEANIC PHOTOGRAPHY

Implemented a unidirectional data flow using Redux architecture for DOM rendering

Administered React components that update in real time via AJAX requests

Incorporated React-Masonry and Google's design language, Material UI, to produce a fluid user experience

### JAVASCRIPT 30

Vanilla JavaScript



### 30 JAVASCRIPT PROJECTS IN 30 DAYS TO GAIN MASTERY OF THE FUNDAMENTALS

Proficient in manipulating properties and methods of document objects and modifying attributes and values via the DOM

## EDUCATION

### APP ACADEMY

SAN FRANCISCO, 2017

Extensive 1000 Hour Fullstack Web Development program with < 3% acceptance rate

### MISSON COLLEGE

COMPUTER SCIENCE, SANTA CLARA, CA, 2016

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

### UC DAVIS

BIOLOGICAL SCIENCES B.S., UC DAVIS, DAVIS, CA, 2009-2013

## CONTACT ME



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### PROJECT JASMINE

JavaScript, Redux, React, Ruby, Rails



### FLAPPY FISH

HTML5 Canvas, JavaScript



Implemented voice-to-text function using Speech Recognition API (one of many projects).

Expedited the procurement of required data from unique website architectures comprised of JSON using AJAX

### FULL STACK APPLICATION INSPIRED BY REDDIT (UNDER EARLY STAGE DEVELOPMENT)

Developing Full stack application using agile techniques

Designed, implemented, tested core backend features

Engineered front-end components using React.js with a Redux architecture

### A PLATFORM BROWSER GAME WITH AN OBJECT-ORIENTED DESIGN, INSPIRED BY FLAPPY BIRD

Built a 2D collision detection system using axis-alignment algorithms

Utilized HTML5 Canvas for environment and object rendering, creating a detailed gameplay environment

## EXPERIENCE

### COMPLETE GENOMICS

April 2015 - February 2016



### MOLECULAR BIOLOGIST

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

### COMPLETE GENOMICS

September 2013 - April 2016



### RESEARCH ASSOCIATE

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