

# Kingsley Liao

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## Skills

JavaScript	React.js	Redux	jQuery	Git	Ruby
Ruby on Rails	PostgreSQL	HTML5	CSS3	AWS S3	RSpec

## Projects

**ROBOgram** - Ruby on Rails, React/Redux, PostgreSQL, HTML5, CSS3

*A single page photo sharing application inspired by Instagram* — [LIVE Github](#)

- Built a RESTful Rails API backend system to deliver JSON object and array responses to HTTP requests
- Enhanced scalability and performance by configuring paperclip to store user generated images on AWS
- Implemented secure user authentication system by using BCrypt to hash and salt passwords into unique session tokens and password digests
- Incorporated image preview with drag and drop features to improve user experience

**Just Jump It** - JavaScript, HTML5 Canvas, CSS3

*JavaScript browser game based on the popular game Doodle Jump* — [LIVE Github](#)

- Built adhering to Object Oriented Programming principles to ensure that the code is maintainable, ensuring easy implementation of future components and features
- Designed the game physics and collision detection to manage character state and the game state
- Configured an online realtime database to store high score information using Firebase by Google

**JasperORM** - Ruby, SQLite3

*A RoR ORM library for creating relationship models inspired by ActiveRecord* — [Github](#)

- Designed a lightweight library for objected oriented relational mapping
- Developed an interface using Ruby's metaprogramming capabilities to create intuitive and semantic database querying methods based on object models and user defined relationships

## Professional Experience

**Deloitte & Touche LLP**

07/2015 - 04/2017

*Securitization Advisory Consultant*

- Completed collateralized loan obligation projects, directly contributing over \$1mm in revenue
- Calculated financial ratios and analyzed collateral details on MBS portfolios worth US \$500MM - \$2B
- Drafted AUP letters issued to trustees and CLO collateral managers detailing procedures performed, major assumptions, and other AICPA reporting requirements for review engagements

## Education

**App Academy**

1000+ hour full stack development course with < 3% acceptance rate

Coursework: Algorithms, OOP, REST, Authentication, TDD, Data Structures, Client-Side MVC

**Binghamton University, School of Management**

Master Degree of Science in Accounting (2015)

Bachelor Degree of Science in Accounting (2014)