

# Jimmy Te-Chun Chao

- [github.com/Rafe](https://github.com/Rafe) -- [daizenga@gmail.com](mailto:daizenga@gmail.com) -- [neethack.com](http://neethack.com)

## Experience

### Zillow Group - StreetEasy

November 2018 - Present

#### Senior Software Engineer

- Lead the project to implement frontend architecture with Webpacker, and increase the code contribution in Javascript by 30% more.
- Developed the StreetEasy Expert matching program, one of the critical growth factors for StreetEasy.
- Migrated Mobile notification system from AppBoy/Braze to Iterable, saving the cost for upcoming contract renewal.
- Implemented Authorization microservice for StreetEasy and Zillow Group, create DSL to simplify complex object relation synchronization.
- Worked on Seller and Rental manager performance Dashboard with GraphQL, React and integrate with microservices.

### Casecommons/Casebook PBC

March 2013 - February 2018

#### Senior Software Engineer

- Develop Casebook, Indiana State Child Welfare system with Rails, React.js, Postgres, Redis and Elasticsearch
- Lead and build Casebook Mobile App, introduce React Native to Casecommons.
- Propose and host developer learning lunch to build developer culture in Casecommons.
- Worked as import API team lead for Indiana State hotline system, migrated 6 million records from legacy system.
- Improve server infrastructure by integrating new tool includes vagrant, chef kitchen and serverspecs with Devops team.
- Work under pair programming environment with test driven development and continuous integration.

### Spling

April 2012 - November 2012

#### Software Engineer

- Worked on Backbone.js single page application with python Django backend.
- Improved SplingEngine, the spling url crawler that transfer url to image. Running on RabbitMq
- Worked with Instagram, Flickr, Embedly and Bing api.
- Created Spling widget, Embedded splingboard on 3rd party website.

### Masxaro

June 2011 - August 2011

#### Software Engineer Intern

- Built RESTful api and backend with Ruby on Rails and Postgresql. Deploy service to Heroku and Amazon EC2.
- Developed single page application with Backbone.js and bootstrap.
- Published email parsing module as rubygem mail\_parser.

### Hung-Yong Software. Taiwan

February 2010 - August 2010

#### Technical Advisor

- Built Online Survey system for Taiwan Mobile, using ASP.NET MVC and Entity Framework.
- Developed workflow web service using VB.NET and automated testing with SOAPUI.
- Setup Continuous Integration Server, automated deployment and testing processes for team, shortened the development time and significantly reduced integration problems.

## Education

### New York University

August 2010 - January 2012

#### Master of Computer Science

- Rails source analysis and security report in Penetration Testing Course.
- Built IndexBuilder, a custom search engine and parser, with Python in Web Search Engine Course.
- Created Footpon, an Android application that combines pedometer and coupon, in Mobile Application Development course.

Core courses taken: Computer Graphic, Computer Vision, Design and Analysis of Algorithm, Modern Cryptography,

## Talks

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- Source code odyssey: GraphQL Ruby
- Ruby concurrent programming
- Bash like a Marshall
- Beantocurrency
- Let's build react js
- Functional javascript talk
- Your strategy was eaten by culture