Bryan Lynch

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SKILLS **Ruby, Ruby on Rails, RSpec, JavaScript, jQuery, React, Redux, SQL, Git, HTML5, CSS3, SASS, C, AWS**

PROJECTS

**Professional**

**MangoBnB** (Rails, ReactJS, Redux, PostGreSQL, AWS, RSpec, Webpack, HTML, CSS, SASS) [live](http://mangobnb.com/#/) | [github](https://github.com/bryanqb07/mangobnb)

*Hotel Website, Single AJAX app with RESTful Rails API Backend*

* Indexes booking data for fast booking and confirmation retrievals.
* Data sync between components and stores implemented through Redux architecture.
* Allows for instantaneous price and room availability changes via an admin terminal.
* Preprocesses large images before upload to *Amazon* S3 to allow for scale.
* Provides seamless mobile experience with Responsive Design.

**Personal**

**Chess** (Ruby) [github](https://github.com/bryanqb07/rubychess)

*Terminal Based Chess Game*

* Achieves DRY, modular code through stepping and sliding piece inheritance classes.
* Creates user friendly terminal GUI through, using functional style programming.
* Responsive AI built through mini-max algorithm.

**Penguin Ski Snowflake** (JavaScript, HTML Canvas, CSS) [live](https://bryanqb07.github.io/snowflake/) | [github](https://github.com/bryanqb07/snowflake)

*Classic Avoid-the-Obstacle Type Game*

* Provides fun-to-play, simple-to-use logic and design based on object-oriented principles.
* Utilizes HTML Canvas sprites to lower resource overhang and optimize run-time.

EXPERIENCE

**Vertical Research Partners**

*Stock Market Research Analyst*                                                                        Apr 2014 - Sep 2015

* Research and compose equity research reports on over thirty-five mid-to-large cap stocks in the paper and packaging sector on an *Institutional Investor* top-ranked team.
* Conduct data analysis with PYTHON. Update company website’s front-end via HTML, CSS, and JavaScript.

FOREIGN LANGUAGES**English (native), Japanese (fluent) (JLPT N1 145/180), Chinese (fluent)**

EDUCATION

**Web Development -** *App Academy (2018-2019)*

* *Rigorous 1000-hour software development course with <3% acceptance rate*
* *Teaches full-stack web development: Rails, SQL, JS, React, TDD, algorithms, design patterns, and programming best practices.*

**Advanced Japanese Language Studies –** *Inter-University Center (IUC) Japan (Yokohama, Japan) 2018*

**MA Education –** *Yale University 2017, GPA: 4.0/4.0*, Major: East Asian Studies

**Advanced Chinese Language Studies –** *Tsinghua University 2016 清華大學 Beijing, China*

**BA Education –** *New York University, 2014, GPA: 4.0/4.0, Major: Economics*