

# Bryce Dorn

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## Work

### Vaystays, Inc.

Chicago, IL

*Full-Stack Software Engineer – vaystays.com*

*Aug 2016 – Jan 2017*

Joined the growing team and led development of the vacation rental company's new white-label product and checkout process. Built out a frontend in React on top of a legacy Rails architecture with GraphQL & Relay serving data between. Helped resolve issues with & improve code quality of a legacy codebase.

### Avant, Inc.

Chicago, IL

*Software Engineer, CRM – avant.com*

*July 2015 – Aug 2016*

Developer for Avant's CRM platform, the primary application used by the operations and servicing side of the company. Orchestrated a large-scale rewrite of the "Workflow" aspect of the application to move to a service-oriented architecture.

### Avant, Inc.

Chicago, IL

*Software Engineering Intern – avant.com*

*Summer 2014*

Built a Rails application from scratch to create a way to streamline project management that is still used today. Learned first-hand about application and database design; gained experience with API service integrations using Ruby and data visualization using JavaScript.

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## Skills

**Languages:** Ruby, JavaScript, Python, MySQL, PostgreSQL, GraphQL,  $\text{\LaTeX}$

**Frameworks:** React, Rails, Sinatra, Angular, Node

**Web:** HAML/SCSS, REST, jQuery, D3.js

**Development:** Git, SVN, Heroku, npm, CircleCI, NewRelic, Honeybadger

**Design:** Photoshop, Illustrator

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## Projects

**bryce.io** – [bryce.io](http://bryce.io)

A personal website written in JS/React that adheres to the Flux architecture. Uses TweenLite to animate a carousel of icons.

**apod.us** – [github.com/brycedorn/apod-us](https://github.com/brycedorn/apod-us)

Gave *Astronomy Picture of the Day* a facelift, as it was one of the first websites ever made and needed a facelift. Built from the ground-up with React & backed by Sinatra. Queries the original site for data daily and stores on a separate database with a simple, queryable API.

**react-intense** – [github.com/brycedorn/react-intense](https://github.com/brycedorn/react-intense)

Ported a JavaScript image-viewing library by Tim Holman to React for easier componentization and re-usage. Added some efficiency improvements and customizability along the way.

**cerebro** – [github.com/brycedorn/cerebro](https://github.com/brycedorn/cerebro)

A side project done while at Avant to listen to and visualize a RabbitMQ stream of actions on loans hitting Avant's database (e.g. approval, rejection). Written in Sinatra & D3.js; visualizes a map of the US with colorful animations moving to & from the company's headquarters in Chicago.

**katatokei** – [katatokei.me](http://katatokei.me)

A final project for CS467, Social Visualization. Implemented a dynamic clock design inspired by the excellent Japanese video game *Katamari Damacy* using D3.js.

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## Education

### University of Illinois

Urbana-Champaign, IL

*College of Engineering, B.S. in Computer Science*

*Fall 2011 – Spring 2015*

- Focus on application design & data visualization, electives in graphic design
  - Organizations: Star Course, ACM, Founders, buzz Magazine
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## Interests

**Non-exhaustive and in alphabetical order:** Art, cats, classical music, data visualization, e-sports, gaming, Japan, music festivals, soccer, travel, typography, UI/UX.