

# Bryce Dorn

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## Work Experience

### Avant, Inc.

Chicago, IL

*Software Engineer, CRM – avant.com*

*July 2015 – Present*

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.

### StyleSeek, Inc.

Chicago, IL

*Software Engineering Intern – styleseek.com*

*Winter 2012 - Summer 2013*

Worked on various different projects impacting the company's workflow and user experience. Helped execute a complete frontend redesign and created a bug reporting tool to increase turnaround time for fixes. Gained experience with Ruby, Rails, & frontend development.

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## Skills

**Languages:** Ruby, JavaScript, Python, C/C++, MySQL, PostgreSQL, GraphQL,  $\LaTeX$

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

**Web:** HAML/SASS, REST, jQuery, D3.js, Paper.js

**Development:** Git, Subversion, Heroku, CircleCI, NewRelic, Honeybadger

**Design:** Photoshop, Illustrator

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## Project Experience

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

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

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

A simple personal website written in JS/React that adheres to the Flux architecture.

**minitranslate** – [minitranslate.herokuapp.com](https://minitranslate.herokuapp.com)

A small javascript plugin to facilitate creation of simple translators, deployed to npm. Used to develop *minionstranslator.com*, to help translate between English and the language of Minions.

**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*, developed using D3.js.

**Smart Pokédex** – [github.com/brycedorn/smart-pokedex](https://github.com/brycedorn/smart-pokedex)

A final project for CS410, Text Information Systems. Written in Sinatra & lunr.js; queries an index of data scraped from the Wikipedia entries for the original 151 Pokémon.

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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.