

Brett Jurgens

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Work Experience

- **Avant, Inc.** <https://avant.com>
Senior Manager
Manager
Senior Software Engineer
Software Engineer
Chicago, IL
June 2018-Present
January 2018-June 2018
February 2017-January 2018
June 2015-February 2017
 - Lead Frontend Developer
 - Managed and mentored team of three junior and mid-level engineers
 - Extracted multiple parts of the monolithic Ruby on Rails application into separate services primarily using Node, Express and TypeScript
 - Introduced GraphQL, React, and TypeScript into the stack, powering multiple frontends and services
 - Spread the use of serverless FaaS using TypeScript
 - Developed a framework for complex guided workflows using serverless, responsible for customer, admin and phone IVR interactions
 - Built reusable React component library for use across customer-facing applications
 - **University of Illinois at Urbana-Champaign**
CS242 Moderator
Urbana, IL
August 2014-May 2015
 - Responsible for leading discussion sections, giving suggestions, and grading students
 - **Thrillist Media Group**
Software Development Intern – <http://www.thrillistmediagroup.com>
New York, NY
June-August 2014
 - Implemented new features and bug fixes, improving user experience and reliability
 - Worked on the frontend and user acquisition system, using PHP and Javascript
 - **Uncorkd, Inc.**
Software Development Intern – <http://www.uncorkd.biz>
Chicago, IL
June-August 2013
 - Gained experience with CodeIgniter (PHP), Javascript, D3.js, and CSS
 - **Gift Finder, Inc.**
Software Development Intern – <http://www.giftfinder.com>
New York, NY
June-August 2012
 - Gained experience with CakePHP, CoffeeScript, Ruby on Rails, and Sass
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Project Experience

gql2ts <https://github.com/avantcredit/gql2ts>

Tool to convert a GraphQL schema into TypeScript Interfaces. Useful for maintaining typesafety throughout an application.

GraphQL Active Record <https://github.com/brettjurgens/graphql-active-record>

Ruby Gem to provide eager loading to models accessed by GraphQL.

UIUC Professors <https://github.com/brettjurgens/uiuc-professors>

Website that allows students to see which courses a certain professor teaches. It uses a custom scraper to scrape the University's API to get all course information and store it in a database.

Education

- **University of Illinois at Urbana-Champaign**
College of Engineering, B.S. Computer Science
Urbana, IL
August 2011 – May 2015
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Skills and Interests

Languages: C/C++, CSS/Sass, HTML/Haml, Java, Javascript (ESNext), Python, Ruby, TypeScript

Frameworks & Libraries: Apollo, Babel, Express, GraphQL, Node.JS, Rails, React, Redux, Serverless, Webpack

Interests: Frontend Engineering, Human Computer Interaction & User Interface Design, Web Applications