


# Shuxuan (Sam) Cenzhang

## Software engineer

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### Recent Projects

#### [Small](#) - Ruby on Rails, React.js, Redux [\[Github\]](#)

*RESTful publishing platform inspired by Medium*

- ❑ Implements secure authentication using BCrypt Ruby gem to hash and salt passwords
- ❑ Frontend form validation prevents unnecessary AJAX requests and improve scalability
- ❑ Recursively renders comments, allowing for infinitely nested post responses
- ❑ Employs multi-use component design and polymorphic Rails associations for extensibility

#### [Recordify](#) - Ruby [\[Github\]](#)

*Light ORM inspired by ActiveRecord*

- ❑ Creates object-relational mapping using Ruby metaprogramming
- ❑ Utilizes modules and multiple inheritance to eliminate code duplication
- ❑ Validates data at the Ruby object level to prevent insertion of invalid data into database

### Skills

Ruby, Rails, Python, C++, Java, JavaScript, React, HTML5/CSS3, SQL, RSpec, Redux, GNU/Linux, Git, jQuery, Python Flask, Jinja, Vagrant, fluent in Mandarin Chinese

### Work History

#### **Ulrich's Bookstore (Follett Higher Education Group)**

Ann Arbor, MI

2015-2017

Sales Associate

- ❑ Stocked sales floor and answered customer questions during four beginning of semester book rushes, during each of which store revenue was among the top in the region
- ❑ Responsible for day-to-day tasks including cash register, textbook stocking and organization, product shipping, and receiving
- ❑ Mastered BackOffice, an archaic product management application, and trained all new employees in its use

### Education

#### **App Academy**

New York, NY

2017

- ❑ Web development bootcamp with 1000-hour curriculum and < 3% acceptance rate

#### **University of Michigan**

2010-2017

Ann Arbor, MI

Bachelor of Science, Computer Science

- ❑ Relevant Coursework: Operating Systems, Data Structures and Algorithms, Web Databases and Information Systems, Discrete Mathematics, Foundations of Computer Science, Intro. Computer Architecture, Database Management Systems