

Andrew Williams

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PROJECTS

Faceplace (Rails, React, PostgreSQL, JavaScript) **Full Stack Engineer**

[live](#) | [github](#)

Social networking website with CRUD functionality based on Facebook.

- Retrieves user interconnections through an optimized custom SQL query.
- Optimizes UX automatic cursor movement, in-place forms, drop-downs, and modals.
- Improves scalability by storing user-uploaded images in AWS S3 buckets.

Tron (JavaScript, CSS3, HTML5) **Front-End Engineer**

[live](#) | [github](#)

Action game made with HTML5 and JavaScript.

- Features AI player that calculates the best move based on available empty space.
- Leverages personally-designed DOM manipulation library.
- Dynamically checks for collisions by looking up position in obstacle positions object.

Bookend (Ruby) **Backend Engineer**

[github](#)

Custom, lightweight ORM.

- Features dynamic method creation through meta-programming.
- Executes CRUD SQL queries based on model classes written in Ruby.
- Packages model-to-model association macros in Ruby classes.

SKILLS

Ruby on Rails • RSpec • SQL • JavaScript • jQuery • React • Flux • HTML5 • CSS3 • Git
Redux, mongoDB (learning)

EXPERIENCE

NYC School of Engineering (2011 - 2015) **Teacher**

- Developed digital materials to improve curriculum with Microsoft Office Suite.
- Received recognition from managers for quality of student reports.

App Academy (Spring 2016) **Student**

- 1000-hour full-stack coding bootcamp with <3% acceptance rate.
- Strong emphasis on code quality, design patterns, and object-oriented programming.

University of Texas at Austin (2007 - 2011) **Research Assistant**

- Relevant Coursework: Computer Fluency (Python, HTML)

PORTFOLIO www.andrewwilliams.io • **GITHUB** [awilliams-atx](#) **LINKEDIN** <https://www.linkedin.com/in/awilliamsatx>