Andrew **Williams**

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PROJECTS

Faceplace (Rails, React, PostgreSQL, JSON API) | 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 with automatic cursor movement, in-place forms, drop-downs, 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.

Rowboat (Ruby) | Back-end 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

English Teacher - TNL School (2011 - 2015)

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

EDUCATION

Web Development - App Academy (Spring 2016)

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

BA - French Language - University of Texas at Austin (2007 - 2011)

- Relevant Coursework: Computer Fluency (Python, HTML)

PORTFOLIO www.andrewwilliams.io • **GITHUB** awilliams-atx **LINKEDIN** https://www.linkedin.com/in/awilliamsatx