

# Andrew Williams

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## PROJECTS

### Faceplace (Rails, React, Flux, PostgreSQL) | *Full-stack Engineer*

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

*Social networking website with CRUD functionality based on Facebook.*

- Delivers CRUD operations through a RESTful JSON API.
- Achieves seamless front end updates with Flux architecture and React.
- Promotes scalability by serving user-uploaded images through AWS S3.
- Retrieves user interconnections through an optimized custom SQL query.
- Improves UX with authentication via Facebook Omniauth.

### Tron (JavaScript, CSS3, HTML5) | *Front-end Engineer*

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

*Two-player action game made with HTML5 and Javascript.*

- Features video-game style and theme created in HTML5 canvas animation and CSS3.
- Leverages personally-designed DOM manipulation library.
- Dynamically checks for collisions each step through gameplay.

### 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.
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## SKILLS

Ruby on Rails • RSpec • SQL • JavaScript • jQuery • React • Flux • HTML5 • CSS3 • Git

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## EXPERIENCE

### English Teacher - *TNL School (2011 - 2015)*

- Provided fun and studious environment for kindergarten to elementary students.
  - Develop documentation to improve curriculum with Microsoft Office Suite.
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## EDUCATION

### Web Development - *App Academy (Spring 2016)*

- 1000-hour full-stack boot camp with <3% acceptance rate.
- Strong emphasis on code quality, design patterns, and pair-programming.

### BA Education - *University of Texas at Austin, 2011*

- Computer Fluency - Introduction to programming and general computing

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