

Chris Towler

Web Developer

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PROJECTS

[Fakebook](#) - *A React.js Facebook clone built without jQuery.*

- Users can create, edit, and delete posts, upload profile and cover photos, and add friends
- Changes are reflected in real-time without requiring page refresh
- Secure custom authentication prevents users from editing other users' posts and photos

[Platform Jumper](#) - *A vanilla-JavaScript browser game utilizing canvas to draw the graphics.*

- Custom sprites and animations intuitively respond to gameplay
- Collision physics handle one-way barriers (platforms) as well as collectible items

[Ruby Chess](#) - *An object-oriented chess game with a terminal GUI.*

- Users select moves with a cursor rather than text inputs, enabling a user-friendly experience
- Multiple levels of inheritance keeps game piece code DRY
- AI allows a user to play a game against a computer player

SKILLS

JavaScript Ruby Rails React.js Flux jQuery CSS3 HTML5 SQL

EXPERIENCE

GlobalFoundries, Malta, NY - *Equipment Engineer*

APRIL 2014 - NOVEMBER 2015

- Developed maintenance plans and led troubleshooting efforts for Lam 2300 Kiyoo etch chambers to minimize downtime and maintain the production line
- Created and maintained web page for Equipment Engineering team

SUNY Albany Department of Athletics, Albany, NY - *Academic Tutor*

FEBRUARY 2012 - DECEMBER 2013

- Tutored students in Computer Science, Calculus, Physics, and Chemistry

EDUCATION

App Academy, New York, NY

- 1000-hour full-stack web development course with <3% acceptance rate
- Topics include coding style, best practices, test-driven development, algorithms, single-page applications, and pair programming

College of Nanoscale Science and Engineering, Albany NY

B.S. Nanoscale Engineering - AUGUST 2009 - DECEMBER 2013

- Curriculum Highlights: Intro to Java, Object-Oriented Programming, Semiconductor Physics, Differential Equations, Linear Algebra