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 Kiyo 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