Chad Bergman

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Skills

Ruby ◆ JavaScript ◆ Rails ◆ jQuery ◆ React ◆ SQL ◆ Java ◆ Git ◆ HTML5 ◆ CSS3
REST ◆ Autodesk Inventor ◆ 3D Printing ◆ CNC Machining

Projects

Questa, Stack: Rails, React.js, PostgreSQL, AWS, SJCL, HTML, CSS, Git   Live | GitHub
- Built a Full Stack Q&A application with React front end and client side encryption.
- Employed Jbuilder to render views as deeply-nested JSON objects, enabling easy representation of the data's hierarchical structure.
- Built modal React components for user input to minimize visual clutter.

KittyGrabber, Stack: JavaScript, CreateJS, HTML, Git   Live | GitHub
- Built JS game that generates a swarm of cat objects, updates and tracks their position, and allows user interaction through drag-and-drop.
- Incorporated EaselJS to render content as a canvas element, minimizing HTML frontend.
- Employed spritesheets and created independent tickers for each cat object to allow sprites to cycle at a lower rate than the canvas's FPS, improving realism of motion.

Education

App Academy, New York, NY   **March 2017**
- Rigorous 1000-hour software development course with <3% acceptance rate.
- Teaches full-stack web development: Rails, SQL, JS, React, TDD, algorithms, security, design patterns, and programming best practices.

Dartmouth College, Hanover, NH
B.A in Economics   **April 2015**
- Classes included economics, statistics, calculus, quantum mechanics, astrophysics, computer science, engineering/design, and humanities.
- GPA 3.25; GRE 169V/170Q

Experience

Remote Web Developer, Perfect Presence, LLC   **August 2017 - April 2018**
- Constructed, maintained and edited Wordpress digital commerce sites for small business clients
- Developed two full stack web applications using React.js, Rails, MongoDB, Postgres, AWS, DigitalOcean, and other technologies.

Thayer School Machine Shop Teaching Assistant   **February 2016 – Oct 2016**
- Operated a CNC mill, CNC lathe, laser cutter, and acetylene torch among other tools.
- Advised Dartmouth faculty on prototype fabrication at a top-tier engineering school.
- Instructed an audience with no experience with these tools on effective operation.