

# CORY HALL

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## PROJECTS

### ***INSTAGRAM***

[LIVE](#) [GITHUB](#)

Clone of Instagram using Rails and Backbone

Mapped Backbone 'pseudo-models' to join tables and associations via custom Rails routes to maintain a robust RESTful API

Used SASS and CSS media queries to create a responsive design for desktop and mobile users

Built a javascript API to apply filters to, and rinse malicious data from photos client-side

### ***ASTEROIDS***

[LIVE](#) [GITHUB](#)

Browser game using the HTML5 Canvas and 2dContext API

Utilized prototypical inheritance, TypedArrays, and micro-optimizations to improve performance

Used 3rd party JavaScript plugins to enable gameplay on mobile platforms

### ***PLAYER INTERFACE + AI PLAY GHOST***

[GITHUB](#)

Simple word game with an expandable player interface

Leveraged IO streams to enable infinite expansion of the Player Interface while never having to expand the core game

Developed a suite of AI's using class inheritance to compound and compare machine learning algorithms

### ***GRID MODULE***

[GITHUB](#)

Ruby module for incorporating common 2D array methods

Implemented DRY principles and RSpec testing to create a clean, semantic plugin

## SKILLS

JavaScript [ES6], CSS3, SASS/SCSS, HTML5, Jasmine, jQuery, Git, Ember.js, Backbone.js, Node.js, OAuth, Ruby, Ruby on Rails, Unix, Redis, SQL, PostgreSQL, BASH, RSpec, AWS, Heroku, Security Clearance

## EDUCATION

### ***APP ACADEMY***

2015

Highly competitive (<5% acceptance), intensive training program with a focus on best practices and pair programming

### ***THE COOPER UNION***

2010-2013

3 yrs Architecture

Developed a project exploring algorithmic design—has been published and incorporated into the core curriculum

### ***VIRGINIA TECH***

2007-2009

Electrical Engineering transfer to Architecture

Coursework included: Calculus, Linear Algebra, Descriptive Geometry, Vector Geometry

### ***CHESAPEAKE CENTER FOR SCIENCE AND TECHNOLOGY***

2005-2006

Certificate of Engineering I & II

Solved various tasks using collaborative problem-solving—one of our successes was placing our team 4th in a regional arcGIS competition

## EXPERIENCE

### ***COMPUTER OPERATOR [DOD CONTRACTOR]***

Inter-Op

2013-2015

DMG Federal

2009-2013

Developed macros and bash scripts to cut working time for tasks up to 80%

Wrote templates and guides to assist coworkers with new tasks, processes, and applications.

Completed mission critical tasks promptly and efficiently, preventing work stoppages and waste of resources

[corydantehall.com](http://corydantehall.com)

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