

# CORY HALL

[corydantehall@gmail.com](mailto:corydantehall@gmail.com)  
(757) 560-2155  
35 Dodworth Street, #1  
Brooklyn, NY 11221

## 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

### **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 to create a clean, semantic plugin

## SKILLS

Ruby, Ruby on Rails, JavaScript, CSS, SASS/SCSS, HTML, SQL, Backbone.js, Node.js, jQuery, OAuth, Unix, Git, Grasshopper, MAX, 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  
DMG Federal

2013-2015  
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)

[github.com/corydhall](https://github.com/corydhall)

[linkedin.com/in/corydantehall](https://linkedin.com/in/corydantehall)