# CORY HALL

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

## PROJECTS

### NSTAGRAM
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 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
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