



# ROY H. HWANG

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## PROJECTS

### In the Dark | React.js, AFrame.js, Parallax.js, Web VR

Web technologies spun into a unique, thrilling browser adventure.

@ royhhwang.github.io/inthedark/?

- Pure CSS to create unnerving animations.
- Adds atmosphere using a faded flashlight effect.
- Mouse tracking React components.
- Web VR experience created through AFrame.js.
- Parallax.js adds to the horror tone by having elements track the user.
- Combined with IGDB API's full game database.

### Coding with Corgis | Unity 3D, React.js, MERN Stack, HTML5, CSS3

Coding with Corgis helps job seekers find employment by gamifying the interview process.

@ codewithcorgis.com | @ github.com/royhhwang/CodeWithCorgis

- Players solve complex brain teasers designed to promote and challenge creative thinking.
- Player's score integrates with Comparably.com's business API to provide job listings based on their performance.
- Took role of project developer and team coordination.

### Usagi Warrior | Unity 3D, 3DS Max, C#

3D platformer made through Unity, challenging user's skill and aptitude through gameplay.

@ royhhwang.itch.io/usagi-warrior | @ github.com/royhhwang/Project3-RPG

- Scripted in UnityScript and C#, models designed in 3DS Max.
- Custom battle sequencing for makeshift AI and tracking.
- Fluid transitions between platforming and combat.

### Race-Paint | Phaser.io, Socket.io, MERN Stack, JavaScript

Top-down racing game where players collaborate on an empty canvas to create unique art pieces.

@ github.com/Ta1yak1/Race-Paint | @ race-painting.herokuapp.com

- Game developed through Phaser.io Arcade Physics Engine.
- Multiplayer functionality enabled through Socket.io.
- Achieves tight controls, velocity, and rainbow palette.
- MySQL database houses user information.

## PAST EXPERIENCE

### Wismettac Asian Foods | Wholesale and Distribution Sales Associate

Aug 2015 – May 2017 \* Santa Fe Springs, California

- Direct sales management of 120+ business relationships.
- Responsible for improving customer retention and sales.
- Increased by 160% sales margin in Palm Springs.
- Exceeded individual sales goal by 140% in April 2017.

## EDUCATION

### University of CA, Irvine

Oct 2017 - Jan 2018

The Coding Boot Camp  
Full Stack Web Development

### University of CA, Riverside

Aug 2011 - June 2015

Bachelor of Arts in Business  
Administration

## SKILLS

### FULL STACK DEVELOPMENT

JavaScript ES5 / ES6

HTML5

CSS3

Node.js

Express.js

React.js

MongoDB

jQuery

Sass

Gatsby.js

### GAME PROGRAMMING

Unity 3D

C#

3DS Max

Phaser.io

Socket.io

### PROFICIENT

Gulp

Ajax

Gimp

MySQL

Unreal Engine

Sequelize

Git Source Management

Visual Studio Code

Visual Studio

RESTful API

Scrum Cycles