

Ezar Enanda

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Education

University of California, San Diego

B.S. IN COMPUTER ENGINEERING

- Major GPA: 3.4

San Diego, California

Sep. 2015 - Jun. 2017

Mira Costa Community College

A.A. IN COMPUTER SCIENCE

- GPA: 3.82 - Dean's List

Oceanside, California

Aug. 2012 - May. 2015

Technical Skills

Programming	Python, JAVA, C#, C++, Ruby, JavaScript, Verilog, VHDL
Databases	Firebase, SQLite, PostgreSQL
Tools	Linux, Git, Atom.io, MATLAB, Unity3D, Cygwin
Frameworks	Django, Ruby on Rails, VueJS, Node.js, Apache Thrift
Design	HTML+CSS, Bootstrap, Photoshop, Axure, Balsamiq, InVision

Projects

TravelDex

PROGRESSIVE WEB APPLICATION THAT KEEP TRACKS OF USER'S FAVORITE SPOTS IN DIFFERENT CITIES.

- Implemented on the Firebase platform to simplify user and data management.
- Using VueJS framework to build a progressive single-paged web application that performs like a native application.
- Minimize load times and improve overall user experience using service workers.

Compendium

DJANGO WEB APPLICATION TO ASSIST PLAYERS OF THE SHIN MEGAMI TENSEI IV VIDEO GAME.

- Provides user with a searchable database regarding the characters found in game.
- Utilizing open source JavaScript libraries and JQuery to manipulate the DOM and improve visuals.
- Responsive HTML+CSS design mimicking the actual game UI.
- Deployed on Heroku with PostgreSQL database.

Courseworks

Web Design and Development

UTILIZING VARIOUS WEB FRAMEWORKS TO DELIVER RELIABLE APPLICATIONS

- Explored various web development stack and understanding each of their components.
- Prototype design using Balsamiq, Axure and InVision.
- Created a task rotation system for groups using relational tables and the Ruby on Rails framework.

Digital Circuit Design

HARDWARE PROGRAMMING USING VERILOG AND VHDL

- Rapid prototyping using MATLAB to test specific circuit components.
- Constructed a simple 9-bit architecture CPU with a custom instruction set.
- Designed a circuit that implemented the Fast Fourier Transform algorithm.
- Optimizing clock cycles by parallelizing computations of state machines.

Networked Services

INTRODUCTION TO COMMUNICATION PROTOCOLS

- Socket programming in C/C++.
- Constructed a Dropbox like file transfer protocol utilizing Apache Thrift RPC framework for Python.

Other programming projects

SOLVING PROBLEMS AND GAMES WITH SEARCH ALGORITHMS IMPLEMENTATIONS

- Word autocomplete prediction based on frequency in C++.
- Simple mancala bot using minimax search in Python.
- Sudoku solver using AC-3 algorithm in Python.