Yoseph Habtewold

Software Engineer

A SOFTWARE ENGINEER WHO LOVES SOLVING PROBLEMS

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PROJECTS

Crankstarter

Live | Github ⤢

A kickstarter inspired single page web App used for crowdfunding, built using Ruby on Rails, React/Redux, PostgreSQL and AWS

Achievements

- Hashed and stored user's password digest securely using BCrypt
- Maximized scalability through cloud image storage with AWS S3
- Implemented realtime dynamic search that filter projects using keystroke event handlers
- Designed the database schema and configured ActiveRecord associations

Robi Runner

Live | Github ⤢

A vanilla-JavaScript browser game utilizing canvas to draw the graphics.

Achievements

- Enabled sprites and animations to intuitively respond to gameplay, using algebraic equations
- Implemented Collision physics to handle one-way barriers (platforms) as well as collectible items

Javary

Github ⤢

A JavaScript library for handling DOM manipulation, inspired by jQuery

Achievements

- Leveraged XMLHttpRequest to make Function call scheduling and asynchronous requests
- Enabled users to alter DOM by appending, removing, adding, and handling events.

Handwritten Digit Recognition

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A machine learning project, which implements Neural Networks. This project is implemented using Python, Scipy and NumPy

Achievements

- Implemented a Multilayer Perceptron Neural Network to recognize images of handwritten digits

WORK HISTORY

Vice President of Student Government and Board of Directors at Auxiliary Services Corporation

Erie Community College

02/2013 – 02/2015   *Williamsville, New York*

Achievements

- Led my campus team to organize over 30 school events, and received an award for my success in doing so.
- Managed student activity fees and served as Acting fiduciary of Erie Community College.

SKILLS

Android Studio   C++   CSS   Git   HTML
Java   JavaScript   jQuery   Python
React   Redux   ruby   Ruby on Rails
SQL   Visual Studio

EDUCATION

Web Development

App Academy

05/2017 – 08/2017

Computer Science - Bachelor of Science

University at Buffalo

01/2015 – 01/2017

GPA 3.5

- Operating System
- Algorithms
- Databases
- Programming Languages
- Theory of Computation
- Machine Learning

LANGUAGES

English
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Amharic
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