

# 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

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 - 12/2017

GPA 3.5

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

## LANGUAGES

English



Amharic

