

Menekou Coulibaly

SOFTWARE DEVELOPER

Employment History

Advanced Repair Agent, BestBuy (Geek Squad), Albany

NOVEMBER 2014 – PRESENT

Learned to use software tools for data recovery, malware removal and network and hardware diagnostics, while working in a group of 10 people where we held each other accountable, made sure notes were taken and work was done in a satisfactory and timely manner.

Software Developer/Programmer, Health Research, Incorporated, Albany

MAY 2019 – DECEMBER 2019

Worked with Drupal which is based on the LAMP stack, creating modules and plugins, and updating New York State Department of Health websites, using a mix of PHP, Twig, HTML, and CSS, as well as knowledge of Object Oriented Programming and dependency injection.

Education

Associates, Schenectady County Community College, Schenectady

Bachelors, State University of New York at Albany, Albany

Awards

HackRPI, Troy, NY

Chicken COOP - 2017

Won Best Game at HackRPI, our game was similar Jackbox.tv in that users would set up a main screen via a laptop/desktop browser. Users would access the game via their mobile devices through the website and inputting the session id. Once entered in the game they'd be given a character at the start line of the game. Then users would play mini-games moving towards the finish line depending on how well they did, till someone reaches the finish line. This app implemented Angular, Firebase, and NodeJS.

Hack Upstate XIII, Syracuse, NY

Project Lord Falcon - 2019

Won best use of Collectible Gaming Data Hack Upstate XIII,
<https://devpost.com/software/projec-lord-falcon>

Projects

Mock Transaction App

This project is my mock transaction app, it allows users to make transaction which are posted on the front page, and on their accoutpage. This app uses Angular for the frontend, Nodejs for the backend, graphql, and mysql for the database storage and calls, and jwt auth tokens, and refresh tokens for authentication.

Screencast Demo: <https://youtu.be/HT42SA38hCg>

Github Repo: <https://github.com/burhancoulibaly/mock-transaction-app>

Details

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Links

[Portfolio](#)

[GitHub](#)

Skills

HTML/CSS/JavaScript

Node.js

Angular

Git

MYSQL

Python

C# .NET

PHP

Docker

Kubernetes

Java

Google Firebase

NoSQL

Linux

GraphQL

ReactJS

Image Processing

Mosaic Image Generator

A mosaic image generator made in Javascript, using the p5-js package for drawing images, NodeJS for the backend, Google Firebase Storage for Storage, Google Firebase Firestore as a database and implements an octree data structure for pixel comparisons. This application takes an image (randomly selected from storage) and recreates it using images stored in Google Firebase Storage.

Demo: <https://mosaic-p5-demo.herokuapp.com>

<https://github.com/burhancoulibaly/mosaic-p5-revised/tree/mosaic-p5-demo>