

# MENEKOU COULIBALY

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## WORK EXPERIENCE

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### Advanced Repair Agent

**Best Buy (Geek Squad)** - Albany, NY  
November 2014 to Present

- Learned to use software tools such as Data Recovery, and do Network Diagnostics, Malware removal, and Hardware testing.

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### Software Developer/Engineer

**Health Research Incorporated** - Albany, NY  
May 2019 to December 2019

Programming with Drupal 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.

Projects:

A coworker and I had to create a system, where users could join different groups and and subscribe to different content in those groups. In order to do this I had to create plugins for modules in Drupal 8 in order for users in groups to subscribe to content, and also receive emails when there were changes to content or content types that the user was subscribed to. This required in depth knowledge of Object Oriented Programming, python, and dependency injection.

I also remodeled websites running on Drupal 7 to run on Drupal 8. This required knowledge of CSS, HTML, and J Query.

## EDUCATION

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### Associates Degree in Computer Science in Computer Science in Computer Science

Schenectady County Community College - Schenectady, NY

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### Bachelor's in Computer Science

University at Albany - Albany, NY

## SKILLS

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- Javascript (5 years), Node.js (5 years), Angular (3 years), Git (5 years), CSS (5 Years), HTML (5 years), MYSQL (3 years), Python (3 years), C# (3 years), PHP (1 year), Docker (1 year), Kubernetes (1 year)

## AWARDS

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### Best Game

2017

Won Best Game at HackRPI, our game implemented Angular, Firebase, and NodeJS:

We built a game similar to JackBox.tv called Chicken CO OP. In the app the users would setup a main hub on a desktop, where users could join a session using a session id given to them on their phone, the users would set their usernames and when everyone had joined they would start the game. The game would show all the users on a line, the beginning of the line was the start and the end was they finish. The users would play a mini game on their phone and based on the order they finished the game the user would move forward on the line and the winner would be the first to reach the finish. The backend for this app was Firebase and Node.js. The Firebase NoSQL database was used to track the users place and their information pertaining to the game, and Node.js was the server. The front end was angular (typescript, html, css) and that would show the place of the users on the start finish lines, and animations for the games on their phone.

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### Won best use of Collectible Gaming Data Hack Upstate XIII

2018

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

## ADDITIONAL INFORMATION

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Projects:

- Created an mosaic image creator using user selected images in Javascript, using NodeJs for the backend, as well as creating and implementing an octree data structure into the program, and using google cloud storage. This application would take an image that a user puts into the app and make it up using other images that the user wanted to user to make up the main image.

Link to demo of application: <https://mosaic-p5-demo.herokuapp.com>

- Made a snake game using, NodeJS, and Javascript.

Link to application: <https://snake-game-mc.herokuapp.com>

- My github: <https://github.com/burhancoulbaly>