Asa A.M. Gayle

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Education:

Florida A&M University

Master of Science, Computer Science, 3.50 GPA, Projected Graduation Date: May 2020

Florida A&M University

Bachelor of Science, Interdisciplinary Studies w/focus in Computer Science/Music, 2.81 GPA, April 2016

Skills:

Languages: Typescript/Javascript, HTML, CSS, C++, R (familiar), Python (familiar), SQL (familiar)

Frameworks/Tools: React, MongoDB, Express, Jest, Docker, Git, LIWC, R Studio

Experience:

Florida A&M University – *Teaching Assistant, CIS Department*

August 2018 – Current

- Assists professors with various classes via grading student work, assisting during lab hours and holding weekly study sessions. Courses assisted include: Fundamentals of Programming, Object Oriented Programming, Data Structures and Algorithms and Discrete Mathematics.

Autodesk – *Intern Software Engineer, AutoCAD Platform Team*

June 2019 – August 2019

- Converted ReactDnd's webhooks style functions to cross compatible React component wrappers that easily enables drag and drop features for any components in application.
- Added drag and drop ability to several parts of the AutoCAD web application including internal components/blocks and file uploading/opening while maintaining previous functionality.
- Refactored older class based React implementations of several components to functional component implementations.

Florida A&M University - *Web Developer, Operations Analysis*

April 2017 – August 2018

- Worked with university officials to elicit actionable user requirements and develop solutions based upon said requirements.
- Installed and maintained software and hardware that assisted moving the university from old paper-driven business processes to a web based electronic document management system.
- Created eForms for the Perceptive Content client using HTML, CSS, JavaScript and iScripts.

C4Q - *Full Stack Web Dev TA Intern*

August 2016 – December 2016

- Assisted teaching full stack web development to people from underrepresented backgrounds in tech.
- Technologies taught include: HTML, CSS, Javascript, jQuery, React and Node.js as well as computer science concepts like essential algorithms, object oriented programming and time/space efficiency.
- Average graduates of program gained 4X their previous salaries in new job.

Recent Projects/Event Participation:

- **Sentiment Analysis of Live Service Games via Twitter Data** – Utilized several tools (Node.js, R, C++, LIWC) to gather data and sentiment related to Live Service games from Twitter. Used the result to create a linear regression model that predicts overall sentiment toward upcoming game patches based on several factors such as word relevancy and obtained sentiment in related tweets.
- **Automated Attendance System** – Created automated attendance taking system with team of 4 for software systems class. Built React frontend to display reports of student attendance, used MongoDB as the database and built REST API using Node.js to serve the frontend data.
- **IBM HBCU Hackathon** – Built mock up application with team via web technologies (HTML, CSS, JS, Firebase, Node) to emulate traffic based path finding algorithm for self-driving freight trucks**.**

Organizations and Leadership Roles:

CODE2040 Fellowship – *Summer 2019 – Fellowship focused on career development and equity work in tech. 6% acceptance rate*

Alpha Phi Omega National Service Fraternity Inc., KΔ Chapter – *Vice President/Service Committee Head, 2015-2016*

Florida A&M University Wind Ensemble – *3rd Chair Trumpet – Top Ensemble*