Asa A.M. Gayle

850-727-2695 ● azmatch.gayle@gmail.com ● https://asagayle.github.io

Education:	**Florida A&M University -** *MS, Computer Science, 3.50 GPA, Projected Graduation - May 2020*
	Florida A&M University - *BS, Interdisciplinary Studies - Computer Science/Music, April 2016*

Skills:	**Languages (Proficient):** C++, Typescript/Javascript, HTML, CSS
	Languages (Familiar): Python, R, SQL
	Frameworks/Tools: React, MongoDB, Express, Jest, Docker, Git, LIWC, R Studio

Experience:

Autodesk – *Software Engineer Intern, AutoCAD Platform Team*   Jun. 2019 – Aug. 2019
San Francisco, CA

- Improved user experience by adding drag and drop features to several parts of AutoCAD web including internal components, blocks and file uploading/opening.
- Converted ReactDnd's webhooks style functions to cross compatible wrappers that easily enables drag and drop features for any components in the codebase.
- Refactored old class based React implementations of several components to functional component implementations.

Florida A&M University – Teaching Assistant, CIS Department   Aug. 2018 – Current
Tallahassee, FL

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

Florida A&M University - *Web Developer, Operations Analysis*   Apr. 2017 – Aug. 2018
Tallahassee, FL

- Configured and maintained several computer systems with team 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 that assisted university officials with document transfers.
- Consulted university officials to gather user requirements for Perceptive Content and several other systems and developed solutions based on them.

C4Q - *Full Stack Web Dev TA Intern*   Aug. 2016 – Dec. 2016
New York, NY

- Taught full stack web development to adults from underrepresented backgrounds in tech.
- Topics included: HTML, CSS, Javascript, jQuery, React and Node.js as well as computer science concepts like algorithms, object-oriented programming and time/space efficiency.
- Average graduate of program gained 4X their previous pay in new job.

Recent Projects/Event Participation:

- **Sentiment Analysis of Live Service Games via Twitter Data** – Created a linear regression model that predicts overall sentiment toward upcoming live service game patches. Used Node.js, R, C++ and LIWC to gather data and sentiment from Twitter.
- **Automated Attendance System** – Created automated attendance taking system for Software Systems class. Built a React frontend to display reports of student attendance, a REST API using Node.js and used MongoDB as the database.
- **IBM HBCU Hackathon** – Built mockup application with team using HTML, CSS, Javascript, Firebase, and Node.js 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*