Asa A.M. Gayle

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

Skills:	**Languages (Proficient):** Go, C++, Typescript/Javascript
	Languages (Familiar): Python, SQL
	Frameworks/Tools: Kubernetes, Docker, React, MongoDB, Express, Jest, Git

Experience:

Microsoft – Software Engineer, Azure Kubernetes Service (AKS) Team Jun. 2020 – Current
Atlanta, GA

- Working to create and maintain Kubernetes microservices primarily in Golang.
- Created health check to assure new clusters had access to SQL containers before being deployed
- Added managed identity verification to several different areas of AKS
- Improved logging in specific containers to add additional latency related data to help assess several issues more effectively
- Converted kubectl plugin created in bash to python implementation to assure it works both in windows and unix based systems

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 – May 2020
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 (now Pursuit) - *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.

Organizations and Leadership Roles:

/dev/ color – *A* Program, Member 2021*

Florida A&M University CIS Department – *Mentor, 2018 - Current*

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*