AMANUEL AWOKE

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EDUCATION

University of Maryland, College Park, College Park, MD **Anticipated May 2021**
Bachelor of Science, **Computer Science**, Senior, Major GPA: 3.51 Cumulative GPA: 2.902

Montgomery College, Rockville, MD **Graduated August 2018**
Associate of Arts, **Computer Science**, Major GPA: 3.8 Cumulative GPA: 3.33
Relevant Coursework: Software Engineering, Advanced Data Structures, Algorithms, Computer Systems, Data Science

TECHNICAL SKILLS

Proficient: Java, Python, C, C#, OOP, Git, Linux, VS Code, IntelliJ IDEA, Eclipse, Vim
Familiar: JavaScript, C++, Ruby, HTML, PHP, CSS, SQL, Assembly, OCaml, React Native, Android, Unity

PERSONAL PROJECTS

Facial Recognition File Encryption | **Languages: Python**
- Developed file encryption where data is encrypted by scanning a user's face via webcam, their facial encoding is stored, and files may be decrypted later by the user signing in with their face
- Written in Python, used machine learning and computer vision libraries

Lyric Search App / **Languages: Java**
- Led team of 4 to develop a Java based app that provided the lyrics of any input song
- Designed GUI, developed data scraper learning Beautiful Soup API and GUI design under 48 hours

Unix Shell and Filesystem | **Languages: C**
- Unix shell file system developed in C with proper memory management
- Fully featured file system, can create, delete, modify, and observe files and folders

Daily LeetCode App | **Languages: React JS**
- Developed mobile app for Android and iOS that data scrapes the LeetCode website for an exercise in data structures and/or algorithms, and sends the user a new one everyday
- Used React Native JavaScript

Ecommerce Website | **Languages: HTML, CSS, JavaScript**
- Implemented Bootstrap, HTML, CSS, JS, to handle UI and UX; PayPal to handle encrypted transactions in team
- Project manager, setting deadlines to ensure progress resulting in timely completion

PROFESSIONAL EXPERIENCE

Research Assistant, *Gamma Research Group at UMD*, College Park, MD **July 2020 - Present**
- Used Augmented and Virtual Reality to simulate classrooms with C# in Unity
- Developed teleportation, camera functionality, and movement within the Augmented and Virtual Reality environment, enabling the creation of our testing environment

Web Design Intern, *University of Maryland Division of Student Affairs*, College Park, MD **September 2020 - Present**
- Maintained and updated Office of Development and Relations website, graphics, and videos
- Organized and restructured environment, reducing files and code by 10%

IT Intern, *The Columbia Group*, Alexandria, VA **July 2018 - August 2018**
- Developed Department of Defense web applications through company Linux network
- Integrated HTML, PHP, and SQL to create web applications, resulting in easier to parse data in the pipeline