

# AMANUEL AWOKE

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## EDUCATION

*University of Maryland, College Park, College Park, MD*  
**Bachelor of Science, Computer Science, Senior**

**Anticipated May 2021**

*Montgomery College, Rockville, MD*  
**Associate of Arts, Computer Science**

**Graduated August 2018**

**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, CSS, PHP, SQL, Assembly, OCaml, React Native, Android, Unity

## PROFESSIONAL EXPERIENCE

**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 environment, enforced consistency, reduced files and code by 10%

**Research Assistant, University of Maryland Dept. of Computer Science, College Park, MD** **July 2020 - November 2020**

- 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

**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

## 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 BeautifulSoup 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 algorithms, and sends the user a new one everyday
- Used React Native JavaScript

**[Ecommerce Website](#) | Languages: HTML, CSS, JavaScript**

- Implemented Bootstrap, HTML, CSS, JavaScript, to handle UI and UX; PayPal to handle encrypted transactions in team
- Project manager, setting deadlines to ensure progress resulting in timely completion