

ANDREW PHILIP DUNCAN

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EDUCATION

Ashesi University

Berekuso, Ghana

BSc. Computer Science

Expected Date of Graduation: **Jun 2022**

Akosombo International School

Akosombo, Eastern Region

General Arts (WASSCE)*

Sep 2015 - May 2018

AWARDS & ACHIEVEMENTS

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| • 1 st Place Sophomore Programming Challenge, Ashesi University | Mar 2020 |
| • Third place Innovative Marketing Pitch Competition | Nov 2019 |
| • Dean's List, Ashesi University | 2018 - 2019 |
| • Third Place ISSAG Boys Basketball Competition, ISSAG | Feb 2017 |

PROFESSIONAL EXPERIENCES

ExpressPay Ghana Limited – Accra, Ghana

Data Engineer Intern

Jun – Aug 2019

- Built an API using the Python Flask framework to return recommendations to the inquirer who enquires by ID number
- Aided the support team by utilizing the Dash(Plotly component) in Python to visualize back-end data in charts and graphs to aid in company decisions and for better analytics
- Improved the support team's decision making time with the implemented analytics

PROJECTS AND RESEARCH

Asvie, An Ashesi Student's Personal Virtual Assistant – Ashesi University, Ghana

Feb 2022

Designer and Developer

- Implemented a feature that enables users to verbally make requests to the system for a verbal and visual response
- Build the back-end of Asvie system using Python and the front-end using Kivy, a Python Graphical User Interface framework
- Implemented functionable features that allows the system to open system applications, make web searches, perform calculations, retrieve their current grades in enrolled courses, read unread emails from Outlook, retrieve classes and class times, and more per the user's request
- Built Asvie using Python, Natural Language Processing, Multithreading, and access to Canvas, Outlook, and MyCamu

DreMail Email Management Web Application – Ashesi University, Ghana

Dec 2020

Designer and Developer

- Developed the front-end of the web application using HTML, CSS
- Employed PHP for the back-end of the application to make queries to the MySQL database
- Utilized JavaScript for validations on user inputs such as username, password etc.
- Implemented functionable features such as allowing users to send and delete emails, mark emails as read and unread

Innovative Marketing Pitch Project – Ashesi University, Ghana

Nov 2019

- Worked with a team of 4 for the entire length of the project, which was to come up with a marketing campaign that would help them access the younger population and change the current grocery shopping culture across young Ghanaians
- Successfully researched company analytics to inform our design thinking ideation process
- Co-pitched the top placing strategy to the country manager of the company in focus, Citydia.
- Further collaborated with the company's management team to implement the marketing strategy

LEADERSHIP AND CO-CURRICULAR ACTIVITIES

Ashesi University

Jan - May 2020

Ashesi Student Council (Public Relations Committee)

- Collaborated with the members of the committee to keep the general public up to date with events occurring on campus
- Took pictures and videos that were used to communicate and inform the community about the committee's plans
- Utilized professional editing software such as Adobe Lightroom and Photoshop to produce high-quality content for our engagements with the community

Ashesi University

Jan - May 2019

Ashesi Student Council (Sports Committee)

- Collaborated with the members of the committee to organize football and basketball matches with other schools
- Organized, planned, and executed Wellness Wednesday Sporting activities

SKILLS & INTERESTS

Public Speaking; Intermediate in **Python, Flutter and Java Programming**; Intermediate Knowledge in **MySQL, HTML, CSS, Javascript, and PHP**; **Microsoft Office Suite**; **Basketball**; **Photography** and **Videography**; Beginner with **Adobe Photoshop, Lightroom, and Premiere Pro**

*WASSCE – West African Senior School Certificate Examination.

* Dean's list is awarded to students with a high GPA of 3.5 and above.