

KAI'LANI WOODARD

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EDUCATION

ALLEGHENY COLLEGE

BS OF COMPUTER SCIENCE & BA OF ARTS, SCIENCE AND INNOVATION

August 2019 - Present | Meadville, PA

Cumulative GPA: 3.5

Selected Coursework: Computational Expression (Java), Data Abstraction (Java), Discrete Structures (Python), Programming Languages, Software Engineering, Data Analytics, Cryptocurrency Engineering, Computer Security, Computer Organization (C, ASM, Logism), Algorithm Analysis (Python)

EXPERIENCE

ALLEGHENY COLLEGE COMPUTER SCIENCE DEPT. | TECHNICAL LEADER

September 2020 - Present | Meadville, PA

- Working with students in the Computer Science department to help them gain a better understanding of material being taught in their classes or computer science concepts in general.
- Regularly attend their practical and laboratory sessions and individually attend to them through weekly office hours.

ALLEGHENY COLLEGE ART DEPT. | AUGMENTED REALITY COORDINATOR

June 2021 - December 2021 | Meadville, PA

- Worked on the Suburbs of Accra: Digital Neocolonialism research effort to create augmented reality exhibits for electronic waste dumps in Accra, Ghana.
- Created augmented reality models using Unity in efforts to prepare for future exhibitions of the project.

GATORGRADER | SOFTWARE ENGINEER

September 2020 - January 2021 | Meadville, PA

- Worked on the automated testing tool, GatorGrader, that helps assist Allegheny College students to check their progress when completing practical and laboratory assignments.

PROJECTS

CAUGHT LACKING: INVESTIGATING THE MALE GAZE THROUGH EYE-TRACKING USING DLIB

Fall 2022 - Spring 2023 | Senior Thesis

- Developing an eye-recognition model to track and recognize patterns of fixation in art observation and viewing.
- Researching the ethicality of eye-tracking models in training and usage.
- Creating artwork to be shown in an installation with viewers' gaze paths and patterns of fixation to be displayed as well.
- Analyzing results of the work as a whole after installation opening.

SUBURBS OF ACCRA: DIGITAL NEOCOLONIALISM

Summer 2021 | Artistic exploration into electronic waste dumps in Accra, Ghana

- Created augmented reality artifacts to be displayed as installations to call attention to electronic waste dumps in Africa.

GATORMINER

Spring 2021 | A visualized text mining and analysis tool in Python for departmental usage

- Served as Scrum Lead for respective team towards development of the tool.

SKILLS

Coding: Java, Python, C/C++, HTML, CSS, JS (React), ASM, R

Adobe Suite: Illustrator, Indesign, Lightroom, Photoshop, After Effects, Premiere Pro