

Kian Abdi

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Education

University of Maryland, College Park

Expected May 2022

B.S. Computer Science and Statistics, Minor in Business Analytics

GPA: 3.43

- Relevant Coursework: Data Structures, Data Science, Advanced Data Structures, Algorithms, Object Oriented Programming (Java), Discrete Structures, Computer Systems (C), Multivariable Calculus, Applied Probability and Statistics
- Environment and Technology Scholars Program, Alpha Kappa Psi Professional Business Fraternity – Director of Unity

Skills, Technologies, and Programs

- **Skills:** Java, C/C++, Python, AWS, OCaml, SQL, JavaScript, Pandas, Git, Agile, HTML/CSS, MATLAB, Adobe Suite
- **Programs:** Fannie Mae SWE Externship, JPMorgan Chase SWE Virtual Experience, Deloitte GPS Consulting Program

Experience

Apple

May 2021 – Aug. 2021

Incoming Software Engineering Intern

Cupertino, CA

Iribe Center for Inclusion and Diversity in Computing

Jun. 2020 – Present

Teaching Ambassador

College Park, MD

- Teach over 80 students programming topics such as Python, JavaScript, HTML/CSS, Binary Math, and Cybersecurity
- Create JavaScript based projects using the PlayCanvas API/Game Engine to introduce Game Development to students
- Develop Computer Science curriculums for middle to high school aged students from underrepresented backgrounds

Maryland Technology Enterprise Institute, University of Maryland

Sep. 2019 – Present

Program Assistant

College Park, MD

- Manage and maintain the Mtech Ventures website by keeping data on Mtech's start-up companies up to date
- Draft lease agreements for companies and researchers looking to obtain an on-campus lab/office space

Johns Hopkins University School of Medicine

Jun. 2019 – Aug. 2019

Database Assistant

Baltimore, MD

- Accelerated the implementation of a new database program for researchers at the school of medicine by 20%, through troubleshooting and the creation of training manuals/video tutorials
- Developed a relational database using SQL to organize the current research data whilst transitioning to the new system

Activities

MZZ Ventures

Mar. 2020 – Present

Web Development Consultant

College Park, MD

- Construct user-friendly websites for African startups using HTML, Node.js, and React, increasing website traffic by 25%
- Created a chatbot for Instagram and Twitter using Chatfuel to answer frequently asked questions regarding the startups

University of Maryland Human-Computer Interaction Lab

Jan. 2020 – May 2020

Undergraduate Research Assistant

College Park, MD

- Scheduled and conducted preliminary interviews in order to gauge public perception of individuals with Dementia
- Analyzed trends in participant responses using Python and Jupyter Notebook to visualize campus viewpoint on Dementia

Projects

COVID-19 Data Analysis

Created an image classification model through use of a ResNet-18 model to categorize Chest X-Ray scans under 3 categories: Normal, Pneumonia, and COVID-19. Merged two further datasets to determine the relationship between the spread of COVID-19 in a country and the happiness of the individuals living within that country. (Python, PyTorch, Jupyter Notebook, Pandas, Seaborn)

Spotify Converter

Program that converts a YouTube "liked" playlist into a brand-new Spotify playlist and creates a new playlist of recommended songs based off the average danceability and energy rating of original playlists tracks. The script was developed using the Spotify Web API and the YouTube Data API. (Python)

Over Sand Vehicle

Collaborated with 7 other students to design and build an independently moving over sand vehicle capable of navigation and pH water sample testing. Presented design reports including code outlines and CAD drawings of the vehicle. Designed the main control algorithm in which the vehicle used to navigate, using RF communication and ultrasonic sensors. (Arduino, C)