

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: 3.53

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

Skills, Technologies, and Programs

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

Experience

Apple Inc.

May 2021 – Aug. 2021

Software Engineer Intern

Cupertino, CA

- Engineered tools for CarPlay that are now used by over 200 employees, using Objective C, Swift, and Interface Builder
- Presented and demonstrated prototypes of projects and feature implementations to dozens of senior employees

Iribe Center for Inclusion and Diversity in Computing

Jun. 2020 – Apr. 2021

Teaching Ambassador

College Park, MD

- Taught over 250 students programming topics such as Python, JavaScript, HTML/CSS, Binary Math, and Cybersecurity
- Created JavaScript based projects using the PlayCanvas API/Game Engine to introduce Game Development to students
- Developed Computer Science curriculums for middle to high school aged students from underrepresented backgrounds

Johns Hopkins University School of Medicine

Jun. 2019 – Aug. 2019

Program Manager Intern

Baltimore, MD

- Accelerated the implementation of a new database program for over 2500 researchers at the school of medicine by 55%, 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 – Jan. 2021

Product Manager and Full Stack Engineer

College Park, MD

- Developed user-friendly websites for African startups using HTML, Node.js, and React, increasing website traffic by 200%
- Created a chatbot for Instagram and Twitter using Chatfuel to answer frequently asked questions regarding the startups
- Lead agile meetings to ensure product development was on track and in line with final needs of the client base
- Facilitated communication between stakeholders to launch key product features both on-time and under-budget

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 rating of the original playlist's tracks. The script was developed using the Spotify Web API and the YouTube Data API. (Python, scikit-learn)

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)