

Abdumijit Albert Dolkun

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EDUCATION

University of California, Berkeley | Bachelor in Data Science
Certificate | AWS Cloud Practitioner

Aug. 2021 – Dec 2023
July 2023

TECHNICAL SKILLS

Concepts: OOP, Machine Learning, Data Structure, Database, Algorithms, Data Analysis, Data Modeling, Communications
Languages: Python, Java, C/C++, R, Go, SQL, TypeScript, JavaScript, HTML, CSS, Stata
Frameworks / Libraries: React, Flask, Bootstrap, PyTorch, Pandas, NumPy, Seaborn, Matplotlib, Selenium, Boto3
Developer Tools: Docker, Git, AWS, NPM, Node, Expo, OpenVPN, OpenLDAP, Ubuntu

EXPERIENCE

Software Engineer | Field AI May 2023 – Present

- Developed a Flask web app that enhanced efficiency and direct control of OpenLDAP users management.
- Created docs and scripts that automate CMMC compliant OpenVPN user generation and grouping process in Docker.
- Optimized performance by creating a modular C++ libraries that efficiently generate system-level and ROS-specific profiles and reports, addressing key performance bottlenecks.

Software Engineer | Nurlinks Capital Nov 2022 – May 2023

- Architected and implemented a responsive site leveraging cloud tech which increased monthly customer traffic by 35%.
- Developed a newsletter recommendation system by constructing an API for seamless communication with Zillow.

Software Engineer Intern | Nomify Jan. 2023 – June 2023

- Greatly improved user experience by enhancing portal efficiency by 30% through collaborative redesign & rebuild.
- Rectified and refined the existing code base, gaining proficiency in React and Typescript.

PROJECTS

PLUR | Python, AWS(DynamoDB, Cognito, Lambda, API Gateway), React Native, JavaScript, RestAPI Feb. 2023 – Present

- Spearheaded the end-to-end development of a mobile app for ratings and reviews, enabling users to post reviews, view ratings, and perform advanced searches for artists and music events.
- Engineered a scalable database, deployed iterative app versions using Expo and Amplify CLI, and established a REST API for user email subscriptions.

Car Accident Predictor | Python, NumPy, Pandas, Seaborn, Matplotlib, Sklearn Oct. 2023 – Dec. 2023

- Built a supervised ML learning model that predicts traffic accidents based on patterns identified in the environment.
- Created an ensemble model with Logistic Regression, Random Forest, and Neural Networks which resulted in 84.5% in both cross validation and test validation on unseen data.

FindJobs | JavaScript, React Native, HTML, CSS Feb. 2024 – Mar. 2024

- Developed React Native app with engaging UI/UX and seamless API integration with custom hooks for job search.
- Implemented search, pagination, and dynamic home page for improved user navigation and engagement.
- Prioritized code architecture and reusability while ensuring app scalability and maintainability.

Gitlet | Java, Git, IntelliJ April 2022

- Developed a version-control system emulating basic Git features for managing file collections.
- Created classes and methods to implement basic Git features for reading/writing content into local/online files.
- Employed various data structures like BFS and TreeMap to optimize the program's efficiency, particularly the merge function, which potentially reads the content of each file in the history.

LEADERSHIP

Founder | Student Justice for Uyghur Justice June 2020 – July 2023

- Founded the organization along with other students from Cal, UCI, and USC to spread the voice of Uyghur people.
- Grew from 4 people to about 65 members from all around the world including the UK, France, Germany, etc. Now we are a sister-org of FreeUyghurNow, actively fighting for Uyghur people and those who are suffering from injustice.

Vice President | International Student Club Sep. 2019 – June 2021

- Worked closely with other members to organize events to create opportunities for students to share their stories and increase the diversity of the community.
- Led the team to host union events for over 200 attendees with Japanese and Indonesian student clubs.