KASHAN SAEED

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LinkedIn: www.linkedin.com/in/kashan-saeed/
GitHub: github.com/ParadoxBrother
Programming Languages: Python, SQL, C#, C++, C

EDUCATION

Masters of Islamic Law and Tradition | Institute of Knowledge, Diamond Bar — June 2024 (Expected)

- **Coursework:** Arabic, Islamic law, Qur'an Exegeses, Theology

Bachelor of Science, Computer Science | University of California, Irvine — Sep 2022

- **GPA**: 3.88
- **Programming -** Object Oriented Programming (OOP), Python, C++, Data Structures, Algorithms, Software Engineering, Computer Networks, Operating Systems, Embedded Software, Advanced Programming
- **Artificial Intelligence -** Machine Learning, Data Mining, Bioinformatics, Convolutional Neural Networks

SCET Certificate in Entrepreneurship & Technology | University of California, Berkeley — Dec 2021

- **Coursework:** Design Thinking, Product Management, Product Design, Entrepreneurship, Blockchain

WORK EXPERIENCE

Platform Solutions/Applications Developer Intern| *Orange County Superior Court* — Jun 2019 – Aug 2019

- Migrated court data from Microsoft Access to Sharepoint Online using **C#.**
- Designed 60+ business reports measuring efficiency and improvement of new portal for court executives using SQL Server Reporting Services.
- Communicated with multiple business and technology teams to create a unified vision for business reports.
- Improved data report generation time by 1400% by programming 30+ **SQL** Database Queries and Stored Procedures.
- Facilitated logging and viewing of employee activity by creating Power BI dashboards/reports and K2 Forums used 200+ times a month.

REASERCH EXPERIENCE

"AMOS 2022 Challenge" | *Machine Learning Researcher at Xiaohui Xie Lab, UCI* — Apr 2022 – Aug 2022

- Participated in the Multi-Modality Abdominal Multi-Organ Segmentation Challenge for The Medical Image Computing and Computer Assisted Intervention Society (MICCAI).
- Developed an algorithm that could handle a wide variety of input patterns and outputs. Was asked to segment 15 different abdominal organs that were provided through 500 CT scans, each scan varying from the other in its center, phase, and disease.
- Achieved a Mean Score of 0.7903 ± 0.0611 by utilizing an nnUnet.

SELECTED PROJECTS

Classifying Heart Disease Using a Neural Network| *Solo Project* — Dec 2020

- Trained neural networks to do a multiclass classification predicting presence and type of heart disease in patients using PyTorch, scikit learn, and pandas in **Python**. Previous attempts have only detected presence of heart disease.
- Three feature selection techniques were implemented to limit the number of features, and eight under and over sampling techniques were tested to rebalance dataset. Neural network's performance was evaluated while varying the dataset, layers, epochs, batch sizes, and hidden layer sizes to find the most accurate model.
- Model achieved 66% accuracy despite a small and unbalanced dataset.

COMPETITIONS/LEADERSHIP/ ORGANIZATIONS

UC Berkeley Collider Cup, 3rd Place | *Project Lead & Back End Developer* — Dec 2021

- UC Berkeley entrepreneurship students develop a tech venture over a semester and compete for the Collider Cup. Venture prototype was pitched to investors and industry experts. Responsible for MVP, prototype, market research, and business model. Placed 3rd amongst more than 60 teams.

IVC Hackathon, 1st Place | *Project Lead & Back End Developer* — Mar 2019

- Led a team of 5 and received first prize for creating "W/N wallet", an application that made users aware of spending habits and encouraged them to financial goals. Drafted layout and storyboard and programmed back-end using **C++.**