

Daniel Kalemi

Berkeley, CA | kalemi.daniel@gmail.com | 341-333-8435 | danielkalemi.github.io

EDUCATION

University of California, Berkeley <i>Master of Development Engineering - Artificial Intelligence and Data Analytics</i> • Coursework: AI for Healthcare, Applied Machine Learning, Computer Vision, Lean Product Management	Berkeley, CA Dec 2022
The Open University & American College of Thessaloniki <i>Dual Bachelor of Science - Computer Science</i>	Thessaloniki, Greece July 2021

EXPERIENCE

Data Scientist <i>Berkeley Engineering</i> • Conducting a novel Blockchain research on the top 4 Decentralized Finance (DeFi) Crypto Lending protocols • Implemented data automation by building 4 custom APIs with Python, increasing data analysis speed by 600% • Utilized Python and SQL to analyze over 2,000 proposals, 500 voting results, and 20 other business metrics • Created 10+ financial models using Excel, resulting in 60% increase in research clarity on voting mechanisms • Sharing the results through high-quality Tableau data visualizations and policy recommendations	June 2022 – Present Berkeley, CA
Co-Founder / Head of Data <i>Examine It</i> • Managed a health-tech startup, building a low-cost Diabetic Retinopathy diagnosing device using ML and lenses • Raised MVP funds, by winning a \$5000 prize among the 16 finalists on the Big Ideas Contest • Collaborated with a cross-functional team of engineers, doctors, designers to analyze customer needs and usability • Developed and maintained robust data pipelines and workflows to ensure data integrity and reliability • Analyzed and interpreted large datasets to identify patterns & trends and communicated insights to stakeholders	Dec 2021 – Nov 2022 San Francisco, CA
Machine Learning Engineer <i>Squishy Robotics</i> • Developed 2 computer vision models for a wildfire detection robot prototype, increasing accuracy by 30% • Analyzed over 1.5 million multi-scale data and developed a model with 85% accuracy in identifying wildfires • Co-authored a forthcoming paper on wildfire detection, detailing the literature review and research implications	Sep 2021 – May 2022 Berkeley, CA
Data Analyst Intern <i>United Nations</i> • Built aggregated data pipelines using Python for 30+ sources, automating 75% of all data entry tasks in the team • Utilized Tableau to visualize data, resulting in a 250% increase in data comprehension and decision-making • Presented data-driven policy recommendations across 5 UN agencies, resulting in the adoption of 2 policy drafts	May 2021 – Aug 2021 Geneva, Switzerland
Software Engineer Intern <i>Internet Society</i> • Built a comprehensive open library of Interplanetary Networking documentation, increasing accessibility by 50% • Organized branches of the 300+ document-tree structure using Zotero, resulting in a 35% increase in organization • Updated and maintained the IPNSIG website using WordPress plugins and JavaScript	Dec 2020 – May 2021 Pasadena, CA

RELEVANT PROJECTS

Skin Cancer Detection <i>Python, OpenCV, PyTorch, CNNs</i> • Used a deep learning model to automatically detect anomalies or abnormalities in the skin images	Sep 2021 – Dec 2021
Medical Data Monitoring <i>Python, Matplotlib, Scikit-learn, pandas</i> • Build a user-friendly interface for patients and doctors to interact with their medical data	Jan 2022 – May 2022

SKILLS

Programming: Python, No/SQL (Postgres, Firebase), R, Java, JavaScript, Node.js, Flask, Rest APIs
ML Libraries: Scikit-learn, TensorFlow, Keras, PyTorch, OpenCV, pandas, NumPy, Matplotlib, Seaborn, NLTK
Developer Tools: Git, Jupyter, Tableau, PowerBI, Excel, Google Cloud Platform, Azure, AWS, Docker, Apache Spark
Strong Background: health-tech startups, product management, computer vision, data science, statistical analysis
Soft Skills: Excellent communication, team leadership, social entrepreneurship and interpersonal skills