

DANIEL KALEMI

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EDUCATION

University of California, Berkeley

Master of Development Engineering - Artificial Intelligence & Data Analytics

Berkeley, CA

Dec 2022

The Open University | American College of Thessaloniki

Dual Bachelor of Science - Computer Science

Thessaloniki, Greece

July 2021

WORK EXPERIENCE

Data Scientist

Berkeley Engineering

Berkeley, CA

June 2022 – present

- Led a team of 7 data science and engineering students to research about the top 4 Decentralized Finance (DeFi) Crypto Lending protocols, resulting in 40% increase in adoption rate.
- Created 10+ financial models using Excel, resulting in 60% increase in investment efficiency.
- Implemented data automation using 4 custom APIs, increasing data analysis speed by 600%.
- Utilized Python and SQL to analyze over 2,000 proposals, 500 voting results, 20 business success metrics, etc.

Machine Learning Engineer

Squishy Robotics

Berkeley, CA

Sep 2021 – May 2022

- Led a team of 5 engineering master's students to develop 2 computer vision models to enhance wildfire detection capabilities for the robot prototype, resulting in 30% increase in detection accuracy.
- Analyzed over 1.5 million multi-scale data and developed a model with 85% accuracy in identifying wildfire.
- Co-authored a forthcoming paper on wildfire detection, detailing the literature review and research implications.

Data Analyst Intern

United Nations

Geneva, Switzerland

May 2021 – Aug 2021

- Built efficient data pipelines using Python to automate data aggregation from over 30 sources, resulting in a 75% reduction in manual data entry.
- 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.

Software Engineer Intern

Internet Society

Remote

Dec 2020 – May 2021

- Assembled, organized, and maintained a comprehensive open library of Inter-Planetary Networking documentation using Zotero, resulting in a 50% increase in documentation accessibility.
- Drafted 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.

LEADERSHIP EXPERIENCE

Co-Founder | *Examine It*

San Francisco, CA | *Dec 2021 – present*

- Managed a health-tech startup, building an innovative AI device to diagnose Diabetic Retinopathy through ML.
- Won the \$5000 prize among the 16 finalists on the Big Ideas Contest (out of 200+ submissions).

SKILLS & INTERESTS

Programming: Python, SQL, R, Excel and Java • **Web development:** JavaScript, databases, APIs and full-stack development. • **Experience** with Azure, AWS, and Google Cloud, TensorFlow, Keras, PyTorch and Tableau, PowerBI, Figma. • **Strong skills** in product management, data visualization and data analysis. • **Strong background** in data analytics, data science and statistical analysis. • **Excellent** communication and interpersonal skills.