

DANIEL KALEMI

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EDUCATION

University of California, Berkeley

Berkeley, CA

Master of Development Engineering - Artificial Intelligence & Data Analytics (GPA: 3.84)

2021 – Dec 2022

- Capstone: The role of DeFi DAOs in community-building and financial inclusion in developing regions.
- *Relevant Coursework*: Product Management, Applied Machine Learning, Data Engineering, Blockchain, DeFi.

The Open University | American College of Thessaloniki

London, UK | Thessaloniki, Greece

Dual Bachelor of Science - Computer Science (GPA: 3.86)

2017 – 2021

- Thesis: Fairness Assessment on Facial Recognition Technology (FRT): Racial and Gender de-biasing through a semi-supervised Variational Auto-encoder Model (VAE).
- *Relevant Coursework*: Design/Analysis of Algorithms, Data Structures, Statistics, Calculus, Algebra, Intro to AI.

WORK EXPERIENCE

Data Scientist | Sutardja Center, UC Berkeley College of Engineering

Berkeley, CA | June 2022 – present

- Conduct data-driven research on the 4 major Decentralized Finance (DeFi) Crypto Lending protocols.
- Build 10+ financial models in Excel on the valuation of each DAO governance token throughout on-chain voting.
- Automate up-to-date data inputs through 4 custom data APIs, to determine the alignment of stakeholder incentives.
- Analyze novel data with Python and SQL on proposals, voting, business success metrics & market reactions.

Digital Youth Envoy | International Telecommunication Union

Remote | Dec 2020 – present

- Elected Young Leader in European ICT Policy, representing youth from 46 countries in the region.
- Working in the Development Sector (ITU-D) with cross-functional teams across departments and UN agencies.
- Led 2 of the 10 working groups (Environment and Emergency Telecoms) on e-waste management & monitoring.

Machine Learning Engineer | Squishy Robotics

Berkeley, CA | Sep 2021 – May 2022

- Designed 2 computer vision models to build Wildfire detection capacity for the Squishy robot prototype.
- Gathered, processed and analyzed over 1.5 million multi-scale (satellite, drone, on-the-ground) & sensor data.
- Contributed to the AI Research team, co-authoring an upcoming paper on Wildfire & Methane Leaks detection.

Data Analyst Intern | United Nations

Remote | May 2021 – Aug 2021

- Built streamlined data pipelines using Python, to automate the aggregation of 30+ data sources.
- Visualized the results of interpreted data with Tableau, to prepare 3 digital policy drafts on ICT sustainability.
- Presented data-driven policy memos to ITU member states & policymakers across 5 United Nations agencies.

Software Engineer Intern | Internet Society

Remote | Dec 2020 – May 2021

- Assembled, organized, and maintained an annotated open library of Inter-Planetary Networking documentation.
- Drafted, instantiated & populated branches of the 300+ document-tree structure on Zotero.
- Updated and supported the IPNSIG website, using Wordpress plugins and Javascript.

PROFESSIONAL DEVELOPMENT

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).

Winning Team | MIT Policy Hackathon - Internet Policy Challenge

Cambridge, MA | Oct 2020

- Won *Atlantic Council*'s challenge for analyzing open-source data on Global Internet Shutdowns - \$2000 prize.
- Co-authored a policy paper on Internet Shutdowns & freedom of expression for the MIT Science Policy Review.

SKILLS

Programming: Python, SQL, R, Excel, Java, C++, PHP, C# **Web Dev** (JavaScript, databases, APIs, full stack).

Analytical: **Frameworks** (Azure, AWS, Google Cloud, TensorFlow, Keras, Docker) **ML** (Regression, Clustering, Classification, Deep Learning) **Visualization** (PowerBi, Tableau, Figma, UI/UX) **Excellent Communication Skills**.

Entrepreneurial: Problem Solving, Passion for Tech, Product and Human-Centered Design, Go-To-Market Strategy.