DANIEL KALEMI

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EDUCATION

University of California, Berkeley **Berkeley, CA**
MDE - Master of Development Engineering, AI & Data Analytics (expected GPA: 3.84) *2021 – Dec 2022*
  • *Relevant Coursework:* Applied Machine Learning, Data Engineering, Product Management, Health Tech

The Open University | American College of Thessaloniki **London, UK | Thessaloniki, Greece**
Dual B.S. - Computer Science (GPA: 3.86) *2017 –2021*
  • *Relevant Coursework:* Design and Analysis of Algorithms, Data Structures, Statistics I & II, Intro to AI.

WORK EXPERIENCE

Data Engineer **Berkeley, CA**
UC Berkeley, College of Engineering June *2022 – present*
  • Conducting research on the 4 main Decentralized Finance (DeFi) Crypto Lending & Borrowing Platforms.
  • Building 10+ financial models and data APIs to analyze the valuation of governance tokens for Decentralized
    Autonomous Organizations (DAOs), throughout voting, to determine the alignment of stakeholder incentives.
  • Assembling and analyzing novel data on DAO proposals, discussions, voting outcomes, and market reactions.

Machine Learning Engineer **Berkeley, CA**
Squishy Robotics *Sep 2021 – May 2022*
  • Designed 2 computer vision models to build Wildfire detection capacity for the Squishy robot prototype.
  • Gathered, processed and analyzed <1.5 million multi-scale (satellite, drone, on-the-ground) & sensor data.
  • Joined the AI Research team, co-authoring an upcoming paper on Wildfire & Methane Leaks detection.

Data Analyst Intern **Geneva, Switzerland**
United Nations - International Telecommunication Union (ITU) *May 2021 – Aug 2021*
  • Built a streamlined data pipeline using Python, to automate the aggregation of 30+ data sources.
  • Visualized the results of the data analysis 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 **Remote**
Internet Society *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

International Telecommunication Union (ITU) **Geneva, Switzerland**
Digital Youth Envoy *Dec 2020 – present*
  • Selected Young Leader in European ICT Policy, representing youth from 46 countries in the region.
  • Facilitated the Environment and Emergency Telecommunications working groups, concerning the circular
    economy, remote Internet access and e-waste management & monitoring.

MIT Policy Hackathon **Cambridge, MA**
1st prize – Internet Policy Challenge *Oct 2020*
  • Won *Atlantic Council's* policy challenge for analyzing open-source data on Global Internet Shutdowns.
  • Co-authored a policy paper on Internet Shutdowns & freedom of expression for the MIT Science Policy Review.

SKILLS

CS: Python, R, Java, C++, PHP, C#, No/SQL, **Web Dev** (JavaScript, Flask, ASP.NET, REST APIs, MERN full stack).
Analytical: **Frameworks** (Azure, AWS, Google Cloud, TensorFlow, Keras, Spark, Hadoop) **ML** (Regression, Clustering, Classification, Decision Trees, Deep Learning, GANs), **Visualization** (Power Bi, Tableau, Matlab, Figma, UI/UX).
Languages: Albanian (native), Greek (native), English (bilingual), Italian (beginner), Spanish (beginner).