Christos Magganas - Resume

Summary

AI Engineer @ AI Makerspace | ☐ Build | ☐ Ship | ☐ Share | ☐ Transforming real-world challenges with AI | ☐ Elevating AI education & automation in tech | ☐ Advocate of lifelong learning & growth.

About

☐ **AI/ML Engineer** | Innovator at the Intersection of AI and Techno-Philanthropy

Values and Goals

- Passionate about leveraging AI and ML to address societal challenges, aiming to join a mission-driven team that encourages learning, growth, and innovation.
- Focused on community building and knowledge sharing, contributing as a volunteer and consultant to foster growth and collaborative problem-solving.
- Aspiring to use my expertise for techno-philanthropic ventures, driving advancements that benefit humanity.

Projects

- **Real-time Multilingual Custom Keyword Spotting**: Developed a lightweight few-shot learning model for personalization of keyword spotting or wake-word detection.
- **Spotify Playlist Recommender**: Spotify App that takes user's music taste to recommend songs and create a playlist for them using Spotify's Web API.

Employment

- **Toro**: Founding Engineer - Lead AI Engineer (8/2024 - Current)
- **AI Makerspace**: Community Builder (10/2023 - Current)
- **AI Makerspace**: Peer Supporter - AI Engineering Bootcamp (1/2024 - Current)
- **Learvo**: AI Engineer (9/2023 - 11/2023)
- **Kaleidoscope Data**: AI/ML Engineer (4/2023 - 8/2023)
- **Cisco**: Data Scientist (Intern) (5/2022 - 9/2022)
- **HCL Technologies**: Data Analyst (Google Cloud Platform) (3/2021 - 9/2021)
- **Commercial Energy of California**: Data Analyst (9/2019 - 11/2020)
- **Property Management & Development**: Manager (9/2013 - 9/2019)

Education

- **AI Makerspace**: LLM Eng + Ops (8/2023 - 11/2023)
- **FourthBrain**: Machine Learning Engineer (12/2022 - 5/2023)
- **Springboard Data Science Bootcamp**
- **University of California, Santa Barbara**: B.S. Actuarial Science (2017)

Skills

- **Technical Skills**:
  - Proficient in **Python**, **SQL**, and data manipulation tools.
  - Experienced in deploying **LLM applications**, teaching new structures to LLMs, and developing responsive Q&A tools.
  - Skilled in **MLOps**, **Data Science**, and the operationalization of AI technologies.
  - Advanced proficiency in **NLP**, **Audio Processing**, and **Deep Learning** with tools such as **TensorFlow**, **PyTorch**, and **GCP/AWS platforms**.
  - **Programming**: HTML, Excel, Visual Basic, Scikit-learn, MLLib, Python, SQL, R, PySpark (Koalas), Pandas, NumPy, Jupyter, Altair, Matplotlib, Git, Bash, Unix, Django, Streamlit, FastAPI, Flask, Scipy, Seaborn
  - **Machine Learning**: ML Ops, ML Engineering, Data Engineering, Data Wrangling/Scraping, Data Analysis, Statistical Inference, Data Visualization, Continuous Monitoring, EDA, CI/CD
  - **Platforms**: Tableau, AWS (S3, EC2, EMR, Elastic Beanstalk, SageMaker), Databricks, Airflow, Docker, Bootstrap, GCP (BigQuery, Data Studio, Dataflow, AutoML, VertexAI, Datalab, Dataprep), Kubernetes
  - **Artificial Intelligence**: NLP (LDA, BoW, TF-IDF, word2vec, seq2seq), Computer Vision (Classification, Object Detection, Semantic Segmentation), Audio Signal Processing (librosa, torchaudio, wav2vec)
  - **Deep Learning**: TensorFlow (Lite, Keras), PyTorch (fast.ai, Lightning), MLPs, CNNs, RNNs (GRU/LSTM), GANs (cGAN/WGAN/CycleGAN), Transformers (BERT, DistilBERT)
  - **Algorithms**: Linear Regression, Logistic Regression, SVMs, Random Forests, XGBoost, K-means, DBSCAN, PCA
- **Professional Skills**:
  - Project Management, Collaboration, Communication, Leadership, End-to-End Development, Story Telling, Resource Management, Critical Thinking, Conflict Resolution, Creativity

Certificates

- **Professional Machine Learning Engineer**: Google Cloud (2021)

Volunteering

- **Ascension Summer Camp**: Leader/Counselor, Redway, CA