Name: Christos Magganas Website: www.christos.app LinkedIn: linkedin.com/in/christos-magganas/ GitHub: cmagganas/

SUMMARY

AI Engineer with experience in developing ML models to solve real-world problems. Proven ability to lead cross-functional teams and manage ML projects from ideation to deployment. Strong intangibles including empathy, humility, integrity, positivity and curiosity, making me an excellent collaborator and communicator. Seeking to leverage my abilities to make a positive impact in an AI organization.

EDUCATION

School: AI Makerspace Degree: LLM Eng + Ops Date: 8/2023 - 11/2023 Notes: - Proficient in leveraging LLMs for product development, creating intricate apps using LangChain and LlamaIndex frameworks, contributing to open-source LLM projects, and collaborating on end-to-end Generative AI applications.

School: FourthBrain Degree: Machine Learning Engineer Date: 12/2022 - 5/2023 Notes: - MLE: Data-centric AI, ML Modeling, AI Applications, and MLOps - Building Gen AI: Build, deploy, and share an application using an LLM (HuggingFace Spaces) leveraging model fine-tuning and prompt engineering to optimize output. - Building with LLMs: Build and deploy LLM apps using open-source tools and frameworks. Fine-Tune LLMs, teach LLMs new structure, and build Q&A tools for your docs.

School: University of Colorado, Boulder Degree: M.S. Data Science (Aborted) Date: 1/2022 - 6/2022 Notes: - DS is a multidisciplinary field that focuses on extracting knowledge and insights from datasets using a range of skills in applied mathematics, statistics and computer science.

School: Springboard Data Science Bootcamp

School: University of California, Santa Barbara Degree: B.S. Actuarial Science 2017 Notes: - AS is a discipline that assesses financial risks, using mathematical and statistical methods to define, analyze, and solve the financial implications of uncertain future events

EMPLOYMENT

Company: AI Makerspace Title: Community Builder Date: 10/2023 - Current Location: San Francisco Bay Area Description: - Facilitating "Christos' Community Creations" bi-weekly; fostering a dynamic AI and ML community on our Discord server. - Utilizing expertise in ML, LLMs, and AI to enrich community discussions and learning (e.g. Peer Supporter for the AI Engineering cohort)

Company: AI Makerspace Title: Peer Supporter - AI Engineering Bootcamp Date: 1/2024 - 12/2024 Location: San Francisco Bay Area Description: - Responsibilities: Facilitate breakout sessions, assist learners online, hold office hours, provide advice and guidance for final projects. - Skills & Benefits: Leadership, technical proficiency, communication, problem-solving;collaborate with AIM staff; engage with AI community; gain teaching and AI engineering experience; network with industry experts.

Company: Toro Title: Founding Engineer - Lead AI Engineer Date: 8/2024 - 1/2024 Description: AI Research & Development - Text Based Food Ordering - Built MVP (frontend, designed conversational flow, microservice apis, semantic router, order updater).

Company: Learvo Title: AI Engineer Date: 9/2023 - 11/2023 Location: San Francisco Bay Area Description: - Led the design of Learvo's mnemonic solutions using LangChain and LlamaIndex as an LLM application architect. - Advanced Generative AI at Learvo, built a PoC for mnemonic learning tools, and collaborated with team on LLM projects as an AI Engineer.

Company: Kaleidoscope Data Title: AI/ML Engineer Date: 4/2023 - 8/2023 Location: San Francisco Bay Area Description: - Operationalized a Reddit Bot utilizing Retrieval-Augmented Generation via LangChain to create effective summaries of subreddit content, in collaboration with the moderator team of an interested subreddit. - Annotated a document database using OpenAI, and conducted statistical analysis to understand relationships between documents over time. - Assisted with executing research and writing a research paper utilizing several LLM and embedding-based approaches for a classification task. - Wrote Python and SQL

code to manipulate and process data, utilized OpenAI API for data processing, and conducted statistical and visual analysis of datasets using Data Science packages, Excel, etc.

Company: Cisco Title: Data Scientist (Intern) Date: 5/2022 - 9/2022 Location: San Jose, CA Description: Implemented ML Ops industry best-practices to identify issues and streamline ML workflow, leading to end-to-end observability. - Collaborated across teams (Data Engineering/Science/Ops) to design and implement a metric framework to streamline workflow. - Led the integration of MLOps Continuous Monitoring on CX BCS team using Google Cloud, providing issue detection, insight and resolution.MLOps is a core function of ML engineering, focused on taking ML models to production, maintaining and monitoring them. - Created dashboards using Data Studio to gain observability over ML lifecycle by visualizing stability, performance and operational metrics. - Highlighted current infrastructure gaps that needed to be bridged and laid out an industry best practice roadmap for our use-case specific needs.

Company: HCL Technologies Title: Data Analyst (Google Cloud Platform) Date: 3/2021 - 9/2021 Location: Remote Description: Built Dashboards and performed ETL tasks on dispersed data sources, allowing management to track progress and gain visibility. - Created dashboards using Data Studio to improve our engineer's time use efficiency. Our insights improved productivity by ~10%. - Established and upheld the analytical and reporting set for our team, utilized data to find improvement opportunities and make proposals to managers and stake-holders. - Took ownership of pipelines and analytical tools, keeping well documented instructions for processes while presenting results to non-technical folks. - Provided ongoing and ad-hoc analysis on existing reports, writing two or three SQL scripts from scratch for ETL on a daily basis.

Company: Commercial Energy of California Title: Data Analyst Date: 9/2019 - 11/2020 Location: Oakland, CA Description: Led initiative to automate all of our time-intensive manual analyses and reports, improving efficiency and increasing revenue. - Responsible for analyzing customer usage data to make recommendations to our customers, often cutting their bill by 25% . - Reported natural gas price volatility for market changes versus historical data with visualizations for purchasing decisions daily. - Built models to automate savings analyses through self-initiative, rigorous cooperative efforts and research, reducing ~10 hours of work weekly for each individual involved. - Led the onboarding and instruction of a strategic savings plan generating thousands of dollars, which I also presented to C-level executives.

Company: Property Management & Development Title: Manager Date: 9/2013 - Current Location: Pinole, CA Description: Establish rental rates, Organize business expenses for 10+ residential/commercial properties, Supervising construction site overseeing ~10+ workers

PROJECTS

Name: Real-time Multilingual Custom Keyword Spotting Description: - Developed a lightweight few-shot learning model for personalization of keyword spotting or wake-word detection - Tools used include AWS EC2, Hugging Face, GitHub, FastAPI, TensorFlow, Streamlit, Python - Achieved low False Rejection Rate (FRR) of 3.94% and False Acceptance Rate (FAR) of 5.78% - End-to-end run-time (Keyword selection, recording, fine-tune training and inference prediction) about 2-3 minutes

Name: Spotify Playlist Recommender using user taste via API Description: Spotify App that takes user's music taste to recommend songs and create a playlist for them using Spotify's Web API in under one minute.

SKILLS

Category: Professionalism Project Management Collaboration Communication Leadership End-to-End Development Story Telling Resource Management Critical Thinking Conflict Resolution Creativity

Category: 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

Category: Machine Learning ML Ops ML Engineering Data Engineering Data Wrangling/Scraping Data Analysis Statistical Inference Data Visualization Continuous Monitoring EDA CI/CD

Category: Platforms Tableau AWS (S3, EC2, EMR, Elastic Beanstalk, SageMaker) Databricks Airflow Docker Bootstrap GCP (BigQuery, Data Studio, Dataflow, AutoML, VertexAI, Datalab, Dataprep) Kubernetes

Category: Artificial Intelligence NLP (LDA, BoW, TF-IDF, word2vec, seq2seq) Computer Vision (Classification, Object Detection, Semantic Segmentation) Audio Signal Processing (librosa, torchaudio, wav2vec)

Category: Deep Learning TensorFlow (Lite, Keras) PyTorch (fast.ai, Lightning) MLPs CNNs RNNs (GRU/LSTM) GANs (cGAN/WGAN/CycleGAN) Transformers (BERT, DistilBERT)

Category: Algorithms Linear Regression Logistic Regression SVMs Random Forests XGBoost K-means DBSCAN PCA

AWARDS

Name: Professional Machine Learning Engineer Awarder: Google Cloud Date: 2021 Description: • Frame ML problems • Develop ML models • Automate & orchestrate ML pipelines • Monitor, optimize, and maintain ML solutions

ACTIVITIES

VOLUNTEERING

Name: Ascension Summer Camp Title: Leader/Counselor Location: Redway, CA Description: Camp Counselor is responsible for youth development, safety, youth development, monitoring behavior, aiding campers struggling with separation anxiety and promoting the core values of the Ascension Greek Orthodox Church. Safety is the primary function of the position.

CUSTOM SECTION