Douglas O. Issichopoulos

Palo Alto, CA 94306 | dougissi@gmail.com | (650) 521-3970 | linkedin.com/in/dougissi

EXPERIENCE

Software Engineer, **Fortinet** — Sunnyvale, CA ⸻ 08/2024 – Present
- Joined the Fortinet secure access service edge (SASE) solution team after Lacework was acquired.

Software Engineer, **Lacework [Acquired by Fortinet]** — Mountain View, CA ⸻ 03/2024 – 07/2024
- Contributed to the launch of the Lacework Edge security product by optimizing our security threat alerting pipeline using machine learning anomaly detection (Kubernetes microservices architecture built with Java, Go, Python, AWS EKS & DynamoDB, and Snowflake)
- Developed an LLM-based anomaly interpretation system using a Retrieval-Augmented Generation (RAG) methodology

Computer Science Master's Student, **University of Illinois Urbana-Champaign** — Remote ⸻ 01/2023 – 12/2023
- Achieved a 4.0 GPA, focusing on distributed systems and machine learning
- Developed a novel method to reduce inference latency when sharing deep neural network (DNN) tensors between AWS Lambda serverless functions (pdf and blog post)
- Developed a computer vision parking spot detector prototype service with a working frontend, backend, and networking for three cameras on a to-scale model (demo video and blog post)

Senior Software Engineer, **Humanyze** — Palo Alto, CA ⸻ 07/2018 – 12/2022
- Full stack web development of our Executive Insights solution using React.js, Django, PostgreSQL, and AWS
- In a team of two, developed a new ETL cloud batch-processing pipeline using AWS EMR and S3 with PySpark, achieving a 100x reduction in processing time and $10k/month cost savings
- Created a cloud benchmarking system to summarize the TBs of timeseries data
- Co-invented the Humanyze Organizational Health Score™ system, comprised of approximately 20 proprietary metrics (patent pending, U.S. Application Number 17/189,919)
- Performed and automated custom analyses for 100+ presentations to our many customers using Python (pandas, scipy, networkx), PostgreSQL, and advanced graph visualization techniques

Previous Employment (not High Tech) — Multiple Locations
- Residential real estate broker assistant at Menlo Atherton Realty ⸻ 02/2018 – 05/2018
- Server at several fine-dining restaurants, most notably Husk Nashville ⸻ 03/2016 – 09/2017
- Anti-sex-trafficking and book publishing for renowned evangelical pastor Francis Chan ⸻ 03/2014 – 02/2016
- Launched social enterprise Huli Huli Hawaiian Grill in San Francisco with three-person team ⸻ 09/2014 – 03/2015
- Intern for Cardinal Life Christian Fellowship at Stanford ⸻ 01/2013 – 06/2014
- Partnered with fellow Stanford student to start Sports & Scholars tutoring company ⸻ 02/2012 – 12/2012

EDUCATION

Master of Computer Science, **University of Illinois Urbana-Champaign** — Remote ⸻ 01/2023 – 12/2023
B.S., Mathematics, **Stanford University** — Stanford, CA ⸻ 09/2008 – 12/2012

PERSONAL

Personal software blog: dougissi.com (React)
Wordle Clone: WordleReplay.com (React), play *any* published Wordle, 1,000+ daily users
Book: *Called Higher*, a Christian faith testimony published on July 15, 2019
Languages: English (Native), Spanish (Adv.), Portuguese (Adv.), French (Inter.)
Interests: hiking, CrossFit, cooking, language learning, Christian service, soccer, surfing