Andreas Lordos

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EDUCATION

Harvard University   Boston, MA
Bachelor of Arts in Computer Science, Honors   *Aug. 2021 – May 2025*
- Relevant courses: Systems Programming, Algorithms and Data Structures, Theoretical Computer Science, Discrete Math, Probability, Linear Algebra, Multivariable Calculus, Abstraction and Design In Computation
- Activities: Teaching Assistant for Discrete Math, SWE for Harvard Tech for Social Good

EXPERIENCE

The Harvard Advocate   Aug. 2022 - Present
President, Tech Board   *Cambridge, MA*
- Built a React website for the oldest collegiate literary magazine in the country (harvardadvocate.com)
- Led conversion to 2x visitors, 3x engagement time and 20% decrease in bounce rate compared to previous website
- Introduced internal generative AI tools that used fine-tuned models to generate new poetry and fiction tailored to the magazine based on prompts.

Meta   May 2022 – Aug. 2022
Software Engineering Intern   *Seattle, WA*
- Designed & built a privacy-first period tracking app from the ground up, using Swift and Objective-C
- Set up Django web-server to facilitate end-to-end encrypted transfers of app CoreData models
- Used Core ML to make cycle and period prediction more accurate, using on-device machine learning.

ImpacTech   Jul. 2019 - Sep. 2019
Software Engineering Intern   *Limassol, Cyprus*
- Designed & developed a prototype of an in-depth customer valuation solution for Forex companies
- Contributed to Apache Superset, a open-source data visualization tool used by AirBnb and Twitter, adding new types of graphs to visualize databases using Javascript (React), Python (Pandas) and SQL

PROJECTS

Extinguisher | *Python, Django, sklearn*
- Developed a full-stack web app that would suggest optimizations in emergency fire response systems
- Built a backend that would take use NASA satellite data for past fires and locations of current fire stations to determine optimal location for new fire stations
- Developed algorithm and scoring system for optimizing new fire station locations
- Won first place in European math conference "Euromath" for my paper on the project

Pathway | *SwiftUI, React, Flask, Open Source Routing Machine*
- Developed a mobile and web navigation app, that determines the safest driving route between two locations using dynamic routing and historical accident data
- Designed and built a Flask REST API backend that would use deliver safest route
- Built accompanying web (React) and iOS app to display safest route

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, OCaml, Objective-C, Swift
Frameworks: React, Flask, Django, Sanity, NestJS, SwiftUI
Developer Tools: Git, Docker, Firebase, VS Code, Unix

AWARDS AND ACTIVITIES

- Hackathon awards: IEEE SIGHT International Hackathon (1st), KPMG InsurTech (1st), Deloitte Open Data (3rd), Crowdpolicy COVID-19 International "Anti-virus" (1st), CY CASSINI Hackathon (2nd)
- Asteroid Hunter, 12 discoveries
- Served in the Cypriot military as an aide to the Chief of Defense (2020 - 2021, mandatory service), involved in process automation for the Ministry and compiling daily news briefings for the Ministry general staff.