Alex Sotiropoulos

Los Angeles, CA | (219) 789-1019 | asotirop@usc.edu | Website | LinkedIn

EDUCATION

University of Southern California   Los Angeles, CA
Master of Science in Computer Science   January 2023-December 2024
- GPA: 3.71 / 4.00

Purdue University   West Lafayette, IN
Bachelor of Science in Industrial Engineering   August 2015-May 2019
- GPA: 3.35 / 4.00

TECHNICAL SKILLS

- Full-stack development, Angular, React, NodeJS, Python, Java, C, C++, Typescript, APIs, Redux, Docker, SQL, Cypress.io
- Coding Samples Available Upon Request

ACADEMIC RESEARCH

Crowd-SFT: Crowdsourcing for LLM Alignment, IEEE Int'l Conf. on Decentralized Applications (DAPPs)   Tucson, AZ
First Author & Co-Lead Researcher   Accepted, July 2025
- Spearheaded research on a crowd-sourced LLM fine-tuning framework improved model convergence by 55% through tournament-based rounds with Shapley value-inspired reward allocation

PROFESSIONAL EXPERIENCE

Epsilon, A Subsidiary of Publicis Groupe (XPAR: PUB)   Chicago, IL
Software Engineer   January 2020-December 2022
- Developed three interconnected full-stack web apps to initiate online advertising campaigns
- Handled front-end tasks by developing 20+ Angular components and efficiently managing application state with NgRx
- Crafted API endpoints, managed Postgres queries via ORM, and executed data mapping in the REST framework for 5 applications
- Authored a NodeJS script leveraging Axios to conditionally update deep JSON database entries, reporting changes in both stage and production environments
- Designed and implemented an independent high-priority Angular front-end project crucial to company's strategic goals within a 2-week period

Epsilon, A Subsidiary of Publicis Groupe (XPAR: PUB)   Chicago, IL
Associate Software Quality Assurance Engineer   June 2019-January 2020
- Built end-to-end testing infrastructure using Docker, facilitating Cypress tests for six Angular applications, optimized for local development and CI integration
- Championed testing best practices globally, assisting five teams in the US and India to enhance test infrastructure and write reliable, flake-free test code
- Configured Docker images for essential services, providing a consistent environment for Cypress tests for four applications
- Delivered two presentations at company's DevOps Summit on Cypress features and flake handling, reaching approximately 200 Epsilon developers

North Atlantic Industries   Bohemia, NY
Engineering Intern   June 2017-August 2017
- Crafted test suites with power supplies and relay cards, enhancing efficiency by 40% and reducing errors for automated tests
- Conducted a cost analysis of custom packaging suppliers, influencing vendor selection, resulting in an 11% cost savings
- Researched and devised an algorithm to pinpoint single failure points, identifying 10+ cross-training needs for employees

LEADERSHIP & INVOLVEMENT

- Volunteered as a front-end software developer for Laporte, IN Habitat for Humanity in 2025
- Presented at Epsilon DevOps Summit on Automation testing wins with Cypress.io and Docker in 2021
- Mentored two new software engineers in Epsilon's New Hire onboarding program
- Represented Epsilon at Purdue University's campus recruitment event in 2021