

SARAH LUCIONI

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EDUCATION

HARVARD COLLEGE

BACHELOR OF ARTS IN COMPUTER SCIENCE & STATISTICS, MAGNA CUM LAUDE

Cambridge, MA

August 2017 - May 2021

- GPA: 3.91/4.00; Term Honors: John Harvard Scholar; Harvard College Scholar; Focus on Data Science and Machine Learning

BAINBRIDGE HIGH SCHOOL

- GPA: 4.00/4.00; Valedictorian

Bainbridge Island, WA

September 2013 – June 2017

EXPERIENCE

GOOGLE

SENIOR SOFTWARE ENGINEER · TL

San Francisco, CA

September 2021 - Present

- Full stack engineer and TL on Google Maps Search + Explore team specializing in applying generative AI, prototyping, and mobile development. Launched projects on Maps Search, Maps Placesheet, and Maps Saved Places
- Led client-side effort to supercharge place discovery and improve query understanding on Maps with generative AI. Drove project from prototype through launches over multiple quarters. Launched [version 1.0](#) and [version 2.0](#) of Gemini in Maps.
 - Piloted a new framework to accelerate engineering velocity. Involved weighing and communicating the benefits and drawbacks of available options to stakeholders, ramping up on a new framework with minimal support, and becoming an advisor for future engineers using the framework. Enabled simultaneous launch on Android and iOS
 - Designed and implemented a new tech stack for handling and rendering non-deterministic LLM responses on Maps
 - Onboarded and mentored six SWEs. Guided system design and cross-functional collaboration. Directly influenced the engineering and product trajectory to continue the project's growth beyond initial launch.
- Influenced new workstream to incorporate prototyping into the team's goals to bolster innovation
- Developed, tested, debugged, documented, and analyzed projects to increase user engagement. Worked alongside product managers, UX designers, and engineers to drive projects and deliver cross-platform success. Presented architectures to senior leads.
- Projects include: pioneering Gemini in Maps, most impactful project driving Saved list creation in 2023, led preliminary effort to bring sort and filter capabilities to Saved Places, spearheaded project to boost visual engagement on Search
- Managed three interns, mentored five interns, and one newly onboarded teammate

GOOGLE

SOFTWARE ENGINEERING INTERN

San Francisco, CA

May 2020 – August 2020

- Worked on Google Maps iOS Core App Search + Explore team on the Placesheet which displays place information to the user
- Extended the availability of gas prices to 27 additional countries, increasing gas station coverage by 76 percent
- Helped create a flexible alert framework in a cross-platform effort: worked with PM/UX/ENG and managed the alert on Placesheet
 - High priority project launched for COVID-19 alerts surrounding testing centers

GOOGLE

ENGINEERING PRACTICUM INTERN

Mountain View, CA

May 2019 – August 2019

- Worked on Google Photos iOS Printing Squad to increase the discoverability and awareness of photo books
 - Implemented a service to connect the UI entry point and future projects to the photo book creation RPC leveraging the Photos machine intelligence backend using Objective-C on the Xcode IDE

OTHER EXPERIENCE: CS 105 (Privacy and Technology) Teaching Fellow, Research Assistant, Electronics teaching assistant at MIT's SEED Academy (Spring & Fall 2018), MIT Minority Introduction to Engineering and Science student awarded the MITES "2016 Edna and Leon Trilling Award" for "best overall academic performance"

PROJECTS, LEADERSHIP, & ACTIVITIES

HARVARD SENIOR THESIS

May 2021

- Analyzed the 2020 presidential election via Twitter data specifically exploring the candidates' social presence, campaign momentum, and the effect of misinformation. Methods included sentiment, network, and momentum analysis. [Link](#)

BOSTON REGIONAL DATATHON SPRING 2021 FIRST PLACE WINNER

March 2021

- Explored the relationship between public trust in government and excess mortality from COVID-19. [Certificate](#)

RELEVANT PROJECTS: CS 109a Final Project - [Exploring the Cold Start Problem via Spotify](#), CS 105 Final Project - [Vocal Bias in Voice Recognition Technologies](#), CS 50 Final Project - [NotifiKeyton](#), [Introduced MIT Food Computers](#) to Bainbridge High School

RELEVANT LEADERSHIP & ACTIVITIES: Google Serve Volunteer Organizer, CS Peer Concentration Advisor, Harvard Women in Computer Science (WiCS) Member, Harvard Pops Orchestra Violinist and Board Member

ADDITIONAL INFORMATION

TECHNICAL TRAINING: Java, Objective-C, Python, Swift, R, C, SQL, OCaml, JavaScript, HTML/CSS, Xcode, Git, Mercurial

INTERESTS: Running, Painting, Baking, Music, Hiking, Reading, Board Games, Origami, Seattle Seahawks, Entrepreneurship