

Professional Experience

Google | Staff Software Engineer, News on Search (2023 - Present)

Prev. Senior SWE (2018-2023) SWE III (2016-2018), SWE II (2015-2016)

- Tech lead for internal news APIs team, scaling availability of news data across the full portfolio of Google products (Search, News App, Maps, Trends, Assistant, etc.).
- Led team of 30+ full-stack engineering and cross-functional contributors to launch the newest version of [Search in Google News](#).
- Led effort to surface [COVID-19 news](#) in Google web search.
- Led full-stack engineering and cross-functional team in revamp of [Top Stories](#) in Google web search.
- Led efforts to improve news query understanding, aiding core retrieval/ranking and our ability to develop richer news experiences.
- Extensive history of cross functional work with PM, UX, and UXR, in addition to building consensus across opinionated senior engineering leadership.
- Expertise in data-driven development and decision making, leveraging live traffic A/B tests, rigorous quality analysis, and partnerships with UX researchers conducting qualitative user feedback studies.
- Dedicated to building exceptional software by first building diverse teams, psychologically safe culture, and mentorship opportunities:
 - Co-chair of DEI Championship program
 - Member of the inaugural “Leading for Liberation” cohort (with [The Adaway Group](#))
 - Volunteer for Google’s former [Engineering Residency](#) program; eight time speaker on career panels with audience of 50+ residents, five time resident host (all accepted full-time offers), aided in development of replacement program.

Galatea Associates | Software Development Intern (Summer 2014)

- Developed integration testing suite for stock position keeping system used by a major U.S. investment bank.

MIT Lincoln Laboratory | Computing and Analytics Intern (Summer 2013)

- Built MapReduce pipelines to ingest a large, open-source geospatial dataset into a web-based visual exploration tool, and implemented new visualization functionality.

Technical Skills

Programming Languages: C++, Java, Python, ES6, Ruby, Golang, Erlang

Data Analysis: Google Colaboratory, Jupyter Notebooks, SQL

Web Frameworks: React, Rails 6, Node.js

Serialization Formats: Protobuf, JSON, XML

Core Web Technologies: HTML5, CSS3

Build Tools: Bazel, Maven

VCS: Git, Mercurial, Perforce, Subversion

Education

Tufts University School of Arts and Sciences | B.S. in Computer Science, Summa Cum Laude

Relevant Coursework: Internet-Scale Distributed Systems, Machine Structure and Assembly Language Programming, Operating Systems, Visualization, Concurrent Programming, Web Development, Data Structures, Algorithms, Computation Theory

Extracurriculars: [Visual Analytics Lab @ Tufts](#), Men’s Fencing Team Captain