

David Goldstein

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246 Snelling Avenue S. St. Paul, MN 55105

EDUCATION

- **Macalester College** Saint Paul, Minnesota
Bachelor of Arts; Majors: Computer Science, Arabic, International Studies; GPA: 3.80
Sept. 2012 – May 2016
- **American University of Sharjah** Sharjah, UAE
Study Abroad: Arabic and Computer Science Program
Fall 2015

EXPERIENCE

- **Decipher Technology Studios** Alexandria, VA
Software Engineer
May 2017 - Present
 - **Grey Matter:** Core developer on service mesh platform
 - **Covidapihub.io:** Developer and SRE for open API hosting covid-19 related data
- **Defense Intelligence Agency** Washington, DC
Software Engineer
Sept. 2016 - May 2017
 - **Brief:** Developer on platform service for Intelligence Analysts giving presentations
 - **Research:** Conduct research with faculty at the National Intelligence University on immigration of Arabic-speaking populations
- **United States Department of State** Washington, DC
Intern
May 2015 - Aug. 2015
 - **Research:** Report on migrations throughout the Middle East for the creation of US foreign policy
 - **Finance:** Oversee disbursement of US funding to NGOs in the Middle East

PROJECTS

- **linklanguageconnections.com:** Website drawing paths between different data sets (e.g.: Wikipedia articles, Arabic synonyms) using the Stanford Network Analysis Project and Networkx
- **Housing Hub:** Website connecting people without housing to local housing organizations and housing vouchers as part of Code for Charlottesville, VA
- **Multi-threaded Crawler:** Performant website crawler for data mining
- **Website Visit Tracker:** Geo-IP tracker of visitors to my personal website

INTERESTS

- **Network Science:** efficiency, centrality, clustering, social networking, language mapping, other interdisciplinary networks
- **Security:** zero trust, authentication, JWT, Spiffe-Spire, circuit breaking
- **Coding for Good:** Code for America, open APIs, public data, CS tutoring

SKILLS

- **Spoken Languages:** French (2/2), Arabic (2/2), Spanish (1/1), Hebrew (+/+)
- **Programming Languages:** Python, Golang, Javascript, CSS, Node/Typescript, C, C++, Bash, Java, SQL, R, Skylark, ASM
- **Technologies:** Helm, Elastic Search, Docker, Kafka, ZooKeeper, aws, gke, OpenShift, openssl, http/https, SSE, websockets, grpc, React, Angular, View.js, MongoDB, postgres/sql, Bazel, CI/CD, systemd

HOBBIES

- Trail running, choir, piano, and baking