

# David Goldstein

<http://www.davidcharlesgoldstein.com>

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255 Western Ave N. St. Paul, MN 55102

## EDUCATION

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- **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

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- **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

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- **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

## QUALIFICATIONS

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- **Top Secret-SCI:** Active government clearance
- **CSM:** Certified Scrum Master with Scrum Alliance

## INTERESTS

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- **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, Computer Science tutoring

## SKILLS

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- **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

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- Trail running, choir, piano, and baking