

# David Goldstein

<http://www.DavidCharlesGoldstein.com>

DGoldstein01@gmail.com

617-543-0274

## EDUCATION

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- **Macalester College**

*Bachelor of Arts; Majors: Computer Science, Arabic, International Studies; GPA: 3.80*

Saint Paul, Minnesota

*Sept. 2012 – May 2016*

## EXPERIENCE

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- **Greymatter.io**

*Lead Software Engineer*

Washington, DC

*May 2019 - Present*

- **Keycloak:** Plan and lead development for OIDC integration for enterprises with 1,000+ services
- **Object Drive:** Lead a team of four developers on object-storage platform with 20,000+ users
- **Covidapihub.io:** Lead a team of five to develop and deploy website hosting covid-19 data

- **Greymatter.io**

*Software Engineer*

Washington, DC

*May 2017 - May 2019*

- **API Development:** Developed RESTful APIs used in leading service mesh framework
- **Observability:** Develop metric system for measuring API performance in distributed environments
- **Kubernetes:** Build, test, and deploy customer environments into AWS, Azure, and Openshift

- **Defense Intelligence Agency**

*Software Engineer*

Washington, DC

*Sept. 2016 - May 2017*

- **Brief:** Develop application using Angular, RESTful APIs, and SQL database for senior military leaders
- **Research:** Develop and perform database migrations and updates for very sensitive data

- **National Intelligence University - School of Science and Technology**

*Intern*

Washington, DC

*May 2016 - Sept. 2016*

- **Research:** Report on scientific advancements for the creation of US foreign policy
- **Administration:** Assist professors in management of course schedule and classroom

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

## 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.js, Typescript, C, C++, Bash, Java, SQL, GraphQL, R, Skylark, ASM
- **Technologies:** AWS, Openshift, Azure, GKE, Helm Charts, Elastic Search, Docker, Kafka, ZooKeeper, OpenShift, openssl, internet protocols, SSE, websockets, grpc, React, Angular, View.js, MongoDB, postgres/sql, Bazel, CI/CD, systemd

## HOBBIES

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- Trail running, canoeing, nature, choir, piano, and baking