

# David Goldstein

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520 E Main Street Charlottesville, VA 22902

## 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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- **Decipher Technology Studios**

*Software Engineer*

Alexandria, VA

*May 2017 - Present*

- **Greymatter:** work on a close-knit team in R&D to develop production-grade infrastructure to run, manage, and scale microservices, as well as provide easy integration for AI ops, secure data storage, and system-wide debugging.
- **DevOps:** lead efforts to optimize deployment infrastructure with helm, create development environments for others to test k8 deployments, and assist customers in hands on challenges and situations.
- **Development:** write, manage, and maintain code across a multitude of repositories and throughout the full stack in languages including Golang, Python, Javascript, C++, and Shell.
- **Education:** create and give company-wide presentations on a multitude of topics in tech including Prometheus, methods in integration and unit testing, and advanced techniques in Git branching and debugging.

- **United States Intelligence Community**

*Software Engineer*

Washington, DC

*Sept. 2016 - May 2017*

- **Security:** built architecture for end to end security of high profile web applications, data, and communications. Ensured compliance of cryptography, development, build processes, and deployment with government security standards.
- **Data Discovery:** built software and web applications to visualize a wide variety of multi-dimensional data in order to make well informed political, strategic, and operational decisions for national security.
- **Inter-agency Support:** worked on high-level projects with a variety of intelligence agencies, law enforcement entities, and foreign intelligence partners.
- **DevOps:** assisted in build processes and deployment for large scale applications in high pressure environments. Ensured zero down time through extensive testing and real time reporting.

- **National Intelligence University**

*Data Scientist Intern*

Washington, DC

*May 2016 - Sept. 2016*

- **Data Visualization:** performed statistical analysis on correlations between immigration and security in the US. Created graphs and info graphics showing trends immigration and security.
- **Arabic:** read and analyzed Arabic texts, including newspaper articles, academic journals, and online blogs to get a better understanding of migration trends in Arabic-speaking populations.

- **United States Department of State**

*Intern*

Washington, DC

*May 2015 - Aug. 2015*

- **Research:** performed thoughtful and careful research on migration crises throughout the Middle East, which were used in the creation of official US foreign policy.
- **Communication:** assisted deputy directors and ambassadors in high-level meetings, including taking notes and writing meeting summaries. Wrote official correspondence with NGOs working in Yemen, Syria, and Palestine.

## SKILLS

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- **Spoken Languages:** French (2/2), Arabic (2/2), Spanish (1/1), Hebrew (+/+)
- **Programming Languages:** Python, Golang, SQL, Javascript, CSS, Typescript, C, C++, Bash, Java, SQL, R
- **Technologies:** Helm, React, Angular, View.js, MognoDB, AWS (S3, rekognition, Lambda, ec2, eks, elb), Elastic Search, Docker, Kafka, ZooKeeper, gke, OpenShift, openssl, http, websockets, grpc, server-side events

## PROJECTS

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- **BigGraphDB:** High-performance and ultra-lightweight graphing database based on research out of Stanford.
- **Integration Test Generator:** Create comprehensive and adaptable integration tests from a swagger definition.
- **TwoWayKV DB:** Ultra lean two-way KV API for fast two-way lookups, searching, and data export.
- **Sheepshead:** Family card game written in Java and Spring.