

David Goldstein

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520 E Main Street Charlottesville, VA 22902

EDUCATION

- **Macalester College**

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

Saint Paul, Minnesota

Sept. 2012 – May 2016

EXPERIENCE

- **Decipher Technology Studios**

Software Engineer

Alexandria, VA

May 2017 - Present

- **Microservices:** built individual “building block” services focusing on doing specific tasks well, giving our system architecture flexibility and support, and also decreasing unplanned downtime and server maintenance costs.
- **Performance:** lead efforts to optimize and test load times with web-based applications, data aggregation, and database retrieval.
- **Leadership:** mentored and lead a 5-person team on a fast-paced project, including meeting with customers, listening and getting feedback from end users, and holding bi-weekly with each member of the team.
- **Testing:** created an integration test framework and user interface for any swagger API, which is now used throughout the company. Gave presentations on different testing techniques and built a testing tutorial for new hires.

- **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

- **Spoken Languages:** French (2/2), Arabic (2/2), Spanish (1/1), Hebrew (+/+)
- **Programming Languages:** Python, Go, Javascript, CSS, Typescript, C, C++, Bash, Java, SQL, R
- **Technologies:** React, Angular, View.js, MognoDB, AWS (S3, Rekognition, Lambda, EC2), Elastic Search, Docker, Kafka, ZooKeeper, Kubernetes, OpenShift

PROJECTS

- **Synonym Grapher:** recursively crawls synonyms in a given language and depth to create a sprawling graph.
- **Password Manager:** an end to end encrypted password manager server, database, and user interface.
- **Midi Sonification:** A server which takes in an array of data, key, and time signature, and outputs a 'song' of that data in the MIDI format.
- **Website Analytics:** A server and user interface for monitoring traffic on my personal website.