

# J. Mark Soules

6397 Smithy Sq. Glen Burnie MD 21061 / [soulesjms@gmail.com](mailto:soulesjms@gmail.com) / 801-573-2342

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## Qualifications and Accomplishments

- Programming: C++, Java, Python
- Web Development: HTML5, CSS, JavaScript, AngularJS, NodeJS, ReactJS

## Education

Brigham Young University-Idaho

Diploma Awarded April 2017

- Bachelor of Science in Software Engineering 3.2 Major GPA
- Data Structures class - implemented 15 small projects using C++ and standard data structures
- Web Development classes - Implemented project using Spotify API, Java, and JavaScript, both front end and back end

## Employment History

National Security Agency - Software Engineer

Dec 2017 - Present

- Developed Kibana plugin with Javascript to ingest federated query results into Elasticsearch cluster for visualization and analysis
- Utilized Python to develop a network analysis program that processed millions of data records per day
- Engineered NodeJS server as a reverse-proxy security checkpoint and API request forwarding service.

inContact - Analytic UI Engineer

Apr 2017 - Nov 2017

- Implemented language translation of site using the framework angular-translate
- Employed unit testing using Jasmine and Karma frameworks which ensured production-ready coding
- D3.js development and modifications to analytic data visualizations

FamilySearch - Web Development Intern

July 2015 - Apr 2016

- Pioneered and implemented new learning center using AngularJS and JQuery
- Utilized GitHub version control for collaboration between team members and flow between beta and production in an agile development environment
- Debugged and optimized FamilySearch.org/ask pages through asynchronous server calls, mobile formatting, and code adjustments