

Joseph Haaga

Developer & Data Engineer

Contact

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Website

<http://joehaaga.xyz> (<http://joehaaga.xyz>)

About

Profiles

Github

josephhaaga (<https://github.com/josephhaaga>)

LinkedIn

joseph-haaga (<https://www.linkedin.com/in/joseph-haaga/>)

Work

Grafik

2016-08-01 —

Full Stack Developer

<https://grafik.agency> (<https://grafik.agency>)

Grafik is a branding agency focused on crafting digital brands for B2B, B2C, Nonprofit and government clients worldwide.

Highlights

- Led architecture and development of CMS-driven solutions for clients like Strayer & Global Automakers
- Contributed to the architecture and development of marketing websites for brands like Strayer, Ligado, Politico, Merritt Clubs, JBG and EYA.
- Closed feedback loop with tenfold time savings by developing internal tools to streamline internal processes (structured QA spreadsheet with Slackbot integration to close developer-designer feedback loop and closely track live performance metrics)

Gray Street Solutions

2015-05-01 – 2016-07-25

Developer <https://graystreetsolutions.com> (<https://graystreetsolutions.com>)

Gray Street Solutions is a boutique, digital-first creative agency, founded on the principle of bringing a “Fearlessly Agile” approach to online communications consulting, open-source web development, and social media campaign management.

Highlights

- Led development of a cross-platform mobile application to track a brand’s social media campaigns
- Developed and maintained digital presences for a variety of trade organizations, defense companies, and nonprofit clients

Eastport Analytics

2014-05-01 – 2014-08-25

Jr. Solutioneer <https://www.eastportanalytics.com/> (<https://www.eastportanalytics.com/>)

Eastport Analytics is an analytics consulting group applying advanced analytics to uncover valuable insights and drive measurably better mission outcomes.

Highlights

- Developed automated spreadsheet parsers in Java 7
- Merged GIS shapefiles with political ad spend data to determine campaign efficacy in Designated Market Areas

@HomeRehab

2013-05-01 – 2014-04-30

<https://gust.com/companies/homerehab> (<https://gust.com/companies/homerehab>)

Developer

@HomeRehab designs exercise devices and software to improve the continuum of care related to falls among the aging population.

Highlights

- Prototyped IoT orthopedic rehabilitative device on Arduino hardware in a dialect of C
- Developed games to be played with the device to aid in gamification of proprioceptive rehabilitation exercises
- Implement wireless modules, LCD screens, & various sensors/actuators within I/O constraints of a development board

Volunteer

Grafik Gives

2017-08-01 –

Coordinator & Volunteer

<https://grafik.agency> (<https://grafik.agency>)

Introduce potential initiatives and coordinate CSR events

Highlights

- Raised >\$1000 for AIGA, providing scholarships for underrepresented design students in the DC area
- Developed spreadsheet solution for long-term initiative planning, enabling tracking of the organization's impact on local, regional, and national levels

So Others Might Eat

2011-04-01 —

Kitchen Volunteer

<http://some.org/> (<http://some.org/>)

Serving meals to marginalized people in the DMV area

Education

The George Washington University

2017-08-01 — 2018-12-16

 **Data Science**

M.Sc.

Courses

- Data Science
- Data Warehousing
- Data Mining
- Visualization of Complex Data
- Machine Learning I
- Machine Learning II
- Time Series Analysis

The George Washington University

2012-08-01 — 2017-05-01

 **Computer Science**

B.Sc.

Courses

- Circuit Theory
- Bioinformatics
- Algorithms
- Software Engineering
- Database Systems

- Systems Architecture
- Operating Systems
- Machine Learning
- Systems Programming
- Artificial Intelligence Algorithms
- Statistical NLP
- DEEPQuest IBM Watson (essentially a supplement to Stat. NLP)

Skills

Web Development

- HTML
- CSS
- Javascript
- PHP
- LAMP Stack
- MEAN Stack
- ReactJS
- NodeJS
- Pimcore
- Drupal 7/8
- Wordpress
- jQuery
- d3js
- Cordova/Phonegap
- 508 Compliance

Software Development

- Java
- Python
- BASH

- Perl
- Git
- Docker
- Unit Testing
- TDD
- OOP
- Functional Programming
- Design Patterns
- Algorithmic Analysis

Data Science

- R
- Python
- Pandas
- NumPy
- NLP
- Classification
- Regression/Linear Modelling
- Clustering/Unsupervised techniques
- SQL/NoSQL
- Elasticsearch & Logstash
- Tableau
- ArcGIS