Joseph Haaga
Developer & Data Engineer

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○ josephhaaga in joseph-haaga

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

WORK EXPERIENCE (4)

▼ **Full Stack Developer** | Grafik   **August 2016- Current**
https://grafik.agency

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

- 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)

▼ **Developer** | Gray Street Solutions   **May 2015- July 2016**
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.

- 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

▼ **Jr. Solutioneer** | Eastport Analytics   **May 2014- August 2014**
https://www.eastportanalytics.com/

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

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

▼ **Developer** | @HomeRehab   **May 2013- April 2014**
https://gust.com/companies/homerehab

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

- 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

▼ **Coordinator & Volunteer** | Grafik Gives   **August 2017 - Current**
https://grafik.agency

Introduce potential initiatives and coordinate CSR events

- 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

▼ **Kitchen Volunteer** | So Others Might Eat   http://some.org/   **April 2011 - Current**

Serving meals to marginalized people in the DMV area

EDUCATION (2)

M.Sc. Data Science | The George Washington University   data science   **2017 - 2018**

data warehousing data mining visualization of complex data machine learning i machine learning ii time series analysis

B.Sc. Computer Science | The George Washington University   circuit theory   **2012 - 2017**

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)