

# danielhenneberger

software engineer

## contact

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## languages

Java, JavaScript

## interests

### professional:

data analytics  
data science  
machine learning  
web development  
software engineering

### personal:

hackathons  
beer brewing  
biohacking  
number theory

## experience

2015–Now **Senior Software Engineer** - Addthis (**ORACLE** Data Cloud) Tysons Corner, Virginia

Developed a high volume, scalable big data analytic platform to gather insights from 15M domains and over 9 petabytes of data monthly. Built highly available and scalable REST web services in a containerized microservice environment. Worked in a fast paced agile environment with short release cycles. Built and managed at-scale big data pipelines that incorporate machine learning, probabilistic, and statistical algorithms. Built and managed large scale data science application including look-alike modeling systems, classification systems, and recommendation systems. 3-time hackathon winner for data visualization, microservice interaction tracing, and in-memory big data analytics. Regularly interfaced with engineering teams around the world and coordinated engineering work for broader Oracle Data Cloud. Converted a waterfall team to agile team.

**technologies:** java (dropwizard, rabbitmq, cassandra); data science (clustering, nlp, k-means, collaborative filtering, t-sne); infrastructure (hydra, spark, open tracing, kubernetes, docker, metrics, elasticsearch, kafka); javascript (react, es2017)

2014–2015 **Software Engineer** - Mesoscale Discovery Gaithersburg, Maryland

Developed cloud-based laboratory management software, implemented data-driven procedures for automated reagent dispensing systems, and codified validated protocols for micro-plate test kits used in the biodefense, clinical, and life-science markets. Developed highly tested and documented software consistent with FDA regulated software systems.

**technologies:** java, rabbitmq, sql, aws (s3), xml, osgi

2011–2013 **Graduate Assistant** - Frostburg State University Frostburg, Maryland

Assisted in teaching and held labs for the computer science department. Lectured, developed course material, and mentored students. Held consistent office hours and assisted the department with other duties. Led students in computer related extracurricular activities, including: computer security competitions, recruitment efforts, and other software projects.

2010–2011 **Applications Engineer** - Micropact Herndon, Virginia

Developed the flagship business process management software for Department of Justice and the Internal Revenue Service in a proprietary java j2ee framework. Independently worked on-site and interfaced with clients. Held security clearances for DOJ & IRS.

**technologies:** java, sql, javascript, jquery, itext, spring

2008–2010 **Web Developer** - Concept C Marketing & Design Frederick, Maryland

Developed, deployed, and maintained responsive websites using early web technologies such as php, bootstrap, jquery, and foundation.

## education

**Masters** of Science: Computer Science Frostburg State University, Maryland

Master's Thesis: Affine Convolutions for Font Classification

This thesis explored classifying font types using affine invariant convolutions.

Contributed to open source projects.

- 4.0/4.0 GPA
- Department Honors for academic excellence

**Bachelor** of Science: Computer Science Frostburg State University, Maryland