

Work

Senior Software Engineer

2016 - Present

Software Engineer

2015 - 2016

RALLY HEALTH

rallyhealth.com

- Built foundations for greenfield microservice-based application.
- Scaled microservice-based architecture to millions of customers.
- Served on-call, managed production deploys and live-site support.
- Architected and optimized multiple ETL pipelines.
- Utilized modern reactive stream technology.
- Mentored and helped junior developers grow.
- Built tooling and common infrastructure.

functional programming
microservices
healthcare

Lead Project Developer

2013 - 2015

GEORGE MASON UNIVERSITY

honorscollege.gmu.edu

- Developed peer-review research aid for university students.
- Maintained multiple Linux servers hosting online content.
- Collaborated with research mentors to increase service value.

python
education
open source

Java Programming Consultant

2012 - 2013

HARMONIA

harmonia.com

- Created components of a Learning Classifier engine.
- Collaborated with project manager on systems architecture design.
- Designed and implemented complex graphical user interfaces.

java
machine learning
contracting

Skills

Languages	Scala, Java, Python, Javascript, Typescript, SQL, C, HTML, CSS, R, PHP
Frameworks	Akka, Play, Angular, Django, Flask
Databases	Postgres, Elasticsearch
Tools	Bash, Git, Docker, sbt, npm, gpg, svn, Jenkins
OS	Linux, Mac, Windows

Education

M.S., Computer Science, GEORGIA INSTITUTE OF TECHNOLOGY

2017 - 2018

B.S., Computer Science, GEORGE MASON UNIVERSITY, *summa cum laude*

2011 - 2015

Publications

- What Are We Teaching?: Automated Evaluation of CS Curricula Content Using Topic Modeling. In *Proceedings of the eleventh annual International Conference on International Computing Education Research*.
- Usability and Suitability Survey of Features in Visual IDEs for Non-Programmers. In *Proceedings of the 5th Workshop on Evaluation and Usability of Programming Languages and Tools, PLATEAU '14*.
- Parallel Hierarchical Affinity Propagation with MapReduce. In *2013 IEEE 5th International Conference on Cloud Computing Technology and Science (CloudCom)*.