

Connor Zanin

CONTACT INFORMATION

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EDUCATION

Northeastern University, Boston, MA

Master of Science in Computer Science

May 2020

- Advisors: Alan Mislove, Cristina Nita-Rotaru

University of Delaware, Newark, DE

B.S. Computer Science, Cum Laude

May 2016

- Thesis: *Capturing the Mapreduce Performance Landscape*

PROFESSIONAL EXPERIENCE

Amazon

October 2021 – July 2023

Software Development Engineer

- Built and maintained data pipeline systems relevant to advertising attribution
- Designed performance improvements for a mission critical, high volume service
- Built a load testing tool to improve load testing capability from thousands to millions of TPM
- Investigated/triaged operational issues as on-call
- Tech stacks - AWS (various services), CDK (IAAS), Java, Javascript, Golang

Newstore, Inc., Boston, MA

August 2020 – September 2021

Software Engineer - Full stack

- Built and maintained core app services for an e-commerce/POS platform
- Lead full stack feature development of order notes
- Provided on-call support for customers and other teams
- Tech stacks: Gitlab CI/CD, Flux, Kubernetes, Golang, Python

Northeastern University, Boston, MA

September 2016 – May 2020

Ph.D. Student - Computer Science

- *PicoJump*: A system for process migration. Enables transparent use of distributed hardware resources. Presents the first distributed live migration algorithm.

Global Computing Laboratory, Newark, DE

May 2015 – May 2016

Computer Science Research Assistant

- *HYPPO*: Developed a hybrid ML approach for tuning the configuration parameters of a popular MapReduce tool, Apache Spark

EM Photonics, Newark, DE

September 2014 – May 2015

Software Engineering Intern

- *Software development*: Developed features and fixed bugs for a video processing application.
- Contributed to a mature C++/Boost code base
- Automated developer environment deployment

Nasdaq OMX, Marlborough, MA

June 2014 – August 2014

QA Software Engineering Intern

- *Performance testing automation*: Developed testing framework and reporting for performance evaluation of a web application with Java and Apache JMeter

Lattice Engines, Boston, MA

June 2013 – August 2013

QA Software Engineering Intern

- *Automated unit testing*: Developed an automated testing framework for a web application with C# and Selenium

SKILLS

Programming Languages: Golang, Python, Java, Javascript, C, C++, C#
Technologies: git, Kubernetes, Docker/Containers, Spark, AWS, Gitlab
Operating Systems: Linux, Windows, Mac

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| TECHNOLOGY INTERESTS | Distributed Systems, Fault Tolerance and Recovery, Cloud Computing, Process Migration, Collaborative Systems |
| PERSONAL PROJECTS | GoMR: A MapReduce system written for Golang - replaces Spark/Hadoop |
| PERSONAL INTERESTS | <ul style="list-style-type: none"> • Running: Completed 5 ultramarathons including 2 50-mile races • Sport climbing • Hiking - 7 14,000 ft summits climbed. Nearly completed the hut-to-hut traverse in NH • Bikepacking • Coffee and latte art |