Connor Zanin

CONTACT
INFORMATION

Cell: 781-879-2258
Email: cnnrznn@gmail.com
Website: **https://connorzanin.com**

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. in Computer Science **May 2016**
- Thesis: *Capturing the Mapreduce Performance Landscape*

PROFESSIONAL
EXPERIENCE

Amazon **October 2021 − Present**
Software Development Engineer
- Built and maintained systems relevant to advertising attribution
- Designed performance fixes for a mission critical, high volume system
- Built tools for operational excellence and load testing

Newstore, Inc., Boston, MA **August 2020 − September 2021**
Software Engineer
- Engineering feature lead on team responsible for core functionality.
- Built an order notes feature for a production order management system
- Built and maintained core app services for an order management system using Go and Python based on Kubernetes and Flux
- Built a web frontend for a new feature release using React

Northeastern University, Boston, MA **September 2016 − May 2020**
Computer Science Research Assistant
- *PicoJump:* A system for process migration. Enables transparent use of distributed hardware resources. Presents the first distributed migration algorithm. Built with Linux, Linux containers (LXC), and Checkpoint/Restore In Userspace (CRIU)
- *Dustoff*: A framework for automating testing and bug finding within distributed consensus systems. Leverages Docker to quickly launch, test, and evaluate systems for performance and liveness. Uses linux traffic control (tc) and Docker for fault injection

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, Javascript, C, C++, Java, C#, Clojure, Haskell
Technologies: gRPC, git, Kubernetes, Docker/Containers, Spark
Operating Systems: Linux, Windows, Mac

TECHNOLOGY   Distributed Systems, Fault Tolerance and Recovery, Cloud Computing, Process Migration, Collabo-
INTERESTS   rative Systems