

Connor Zanin

CONTACT INFORMATION

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TECHNOLOGY INTERESTS

Distributed Systems, Fault Tolerance and Recovery, Cloud Computing, Process Migration, Collaborative Systems

PROFESSIONAL EXPERIENCE

Newstore, Inc., Boston, MA
Software Engineer

August 2020 – present

- Engineering feature lead on core functionality. Built an order notes feature for a production order management system
- Built and maintained services using Go and Python
- Built web frontend using React

Northeastern University, Boston, MA
Computer Science Research Assistant

September 2016 – May 2020

- *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
Computer Science Research Assistant

May 2015 – May 2016

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

EM Photonics, Newark, DE
Software Engineering Intern

September 2014 – May 2015

- *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
QA Software Engineering Intern

June 2014 – August 2014

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

Lattice Engines, Boston, MA
QA Software Engineering Intern

June 2013 – August 2013

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

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*

SKILLS

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