

# Connor Zanin

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## CONTACT INFORMATION

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## EDUCATION

**Northeastern University**, Boston, MA **May 2020**  
*Master of Science in Computer Science*  
• Advisors: Alan Mislove, Cristina Nita-Rotaru

**University of Delaware**, Newark, DE **May 2016**  
*B.S. Computer Science, Cum Laude*  
• 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

**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

**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, Typescript, React, ReactNative, Java, C, C++, C#  
**Technologies:** AWS, GCP, Spark, Containers (Kube, Docker, etc.), Expo **Operating Systems:** Linux, Windows, Mac

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