Horatiu Lazu

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EDUCATION

University of Waterloo - Bachelor of Computer Science — 2016-2021 (Expected)

- \$10,000 Mathematics Scholarship based on computing contests, extra-curricular involvement

- Undergraduate Teaching Assistant for Linear Algebra (Math136) in Fall 2017

- 3.96 Major GPA, Dean's Honours List

Citadel Securities - Software Engineering Intern — Chicago, IL 2019 (April-July)
- Developed and productionized critical dynamic service discovery system for microservices architecture in C++ and Boost libraries for the High Frequency Trading Platform

Yelp - Software Engineering Intern - San Francisco, CA 2018 (Sep - Dec)
- Developed and shipped scalable cloud metadata inventory system using Python, ElasticSearch and AWS replacing existing MCollective system reducing query time by over 75%

Bloomberg LP - Software Engineering Intern - New York, NY 2018 (Jan - Apr)
- Open-source development work for Apache Solr/Lucene in Java adding distributed cross-collection join support for sharded collections reducing query time by over 87.7%

Bloomberg LP - Software Engineering Intern - New York, NY 2017 (May - Aug)
- Created collaborative filtering recommender system for Bloomberg Excel functions using Python and Scikit-Learn capable of training over 250k users in under 17 minutes

PROJECTS

Strava Wind Analysis (Node.js, Python, Scikit-Learn, Redis, ElasticSearch)
- Fullstack scalable machine learning analytics and data visualization site for cyclists used by
  over 110,000 users designed using multi-tier architecture on the cloud

YouTube Channel (SoftwareEngenius)
- Technology-focused channel with 1.2 million+ views with over 200 programming tutorials

SKILLS

- Languages: Java, C++, Python, JavaScript
- Technologies: Solr, ElasticSearch, Redis, Terraform, Boost, React, Bootstrap, Git