Neil Seward

Contact Information

Ontario, Canada

Tel: +1 (519) 365 - 4628
Email: neil.seward@outlook.com
Website: http://sealneaward.github.io/

Research Interests

devops, sports analytics, machine learning, deep learning, big data management, open source intelligence

Education

University of Ontario, Institute of Technology
Department of Electrical and Computer Engineering   September 2016 - September 2018

MASc Student, Advisor: Masoud Makrehchi

Department of Electrical, Computer, and Software Engineering   September 2012 - June 2016

BEng Student

Publications

Basketball Lineup Performance Prediction using Network Analysis. Mahboubeh Ahmadalinezhad, Masoud Makrehchi, Neil Seward. In *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*, Vancouver, British Columbia, Canada, 2019 (**conference)**.

Building an On-Ball Screen Dataset Using Supervised and Unsupervised Learning. Neil Seward. In *University of Ontario Institute of Technology*, Oshawa, Ontario, Canada, 2018 (**thesis)**.

Teaching

University of Ontario, Institute of Technology
Teaching Assistant
  SOFE3700: Database Management Systems, Fall 2016, 2017.
  SOFE4620: Machine Learning and Data Mining, Winter 2018.
  SOFE3950: Operating Systems, Winter 2018.

Working Experience

Elasticpath   Toronto, ON   *Cloud Infrastructure Developer*   September 2019 – Current

Developed tools, maintained, and assisted support/performance teams on the Cloudops for Kubernetes product.
-   Developed IAM service account to remove dependency on AWS account secrets in Jenkins job Terraform operations.
-   Installed Istio service mesh to monitor service to service transactions and stack traces on requests.
-   Troubleshooted performance bottlenecks, diagnosed and replaced problematic load balancing configuration.
-   Developed custom force-cleanup scripts to remove resources that fail cleanup operations in pipelines.
-   Developed custom bastion instance for whitelisted external access to VPC resources.

Scotiabank   Toronto, ON   *Manager, Reporting & Analytics*   October 2018 – September 2019

Developed reporting tools for Anti-Money Laundering and Anti-Terror Financing Unit at bank.

360Insights   Whitby, ON   *Software Developer*   May 2016 – August 2016

Developed Node.js and C# workflow applications for DataFeed team.

360Insights   Whitby, ON   *Application Support*   May 2015 – August 2015

Responded to bug reports and coordinated fix with corresponding teams.

CIBC   Toronto, ON   *Software Developer*   May 2014 – August 2014

Developed fix to large client software from penetration test.

Telegraph   Mississauga, ON   *Software Developer*   June 2013 – August 2013

Customized software for large utility company clients.

Honors and Awards

- UOIT Electrical and Software Engineering Capstone Design Competition, 1st Place (with Robert Cole, Henry Julian, and Kevin Ho), 2016.
- Ontario Engineering Programming Competition, 2nd Place (with Robert Cole, Patrick Smuk, and Kevin Ho), 2015.

Open Source Software

GitHub: https://github.com/sealneaward/