

Nicholas Lockhart

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github.com/nirlo

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EDUCATION

Algonquin College - School of Advanced Technology

2017 - 2019

Diploma; [Computer Programmer](#), Dean's Honor List

GPA 3.7/4.0

- Notable Courses: Database Systems, Object-Oriented Programming (Java), Linux Fundamentals, Web Programming
 - Team lead for System Analysis and Design group projects
 - Team lead for Object-Oriented Design Patterns final project [GitHub](#)

Dalhousie University

2009 - 2015

Bachelor of Arts; Major in Linguistics, Minor in Psychology

- Notable Courses: Behavioral Psychology, Advanced Animal Communication, Language and Literacy, Advanced Phonology, Syntax, Inferential Statistics

SKILLS

Programming Languages: Python3, Golang, JavaScript, HTML5, CSS, java 8, SQL, Linux Bash, NoSQL (InfluxQL, Lucene), TCL (Expect), Node.js,

Operations Tools: Ansible, Kubernetes, Docker, Git

Database Tools: Postgres 9.6, Influxdb, Elasticsearch, MySQL, MongoDB

Design & IDE Tools: Eclipse, Visual Studio Enterprise 2017, Grafana, Kibana

Operating Systems: Windows 10, Debian, RHEL 7, OpenStack, GCP

PROJECTS

File Processor [Github](#)

2019

- File processing CLI toy project
- Built with Golang

WritePub – Agile Team Lead

2019

- Client Project from Algonquin College
- Migrating pdf converter from C# to Node.js and expanding project
- Built UI components for no-distraction writing for authors

QuestionableAnsible [Github](#)

2019

- Ansible playbook generator and templator
- Django based and docker containerized

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|---|-------------|
| UrTracker Github | 2019 |
| <ul style="list-style-type: none">• Personal well being tracker• Django based and docker containerized | |
| Clinical Trial Tag Analysis (In Progress) Github | 2018 |
| <ul style="list-style-type: none">• ETL data pipeline for keyword generation of clinical trial report• Built with NLTK/RAKE python, loading into Elasticsearch | |
| Getting Metrics Fast - Ansible and The TIG Stack Presentation | 2018 |
| <ul style="list-style-type: none">• Presented at October Data Visualization Meetup• Orchestration and automation of metrics collection for servers using Ansible and Grafana | |
| 3D Printing Ophthalmology Tools GitHub | 2017 |
| <ul style="list-style-type: none">• Creating 3D printed tools using Blender program, customizing the tools to specifications | |
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WORK EXPERIENCE

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| Software Development Environment Developer Coop (Fall Term) | 2018 |
| Ribbon Communications, Ottawa, ON | |
| <ul style="list-style-type: none">• Server orchestration using advanced Ansible techniques• Participated in major release of enterprise level platform following agile standards• Technical analysis of legacy installation methods• Managed virtual machines using QEMU and KVM• Created automation scripts using Expect | |
| Software Development Environment Designer Coop (Summer Term) | 2018 |
| Ribbon Communications, Ottawa, ON | |
| <ul style="list-style-type: none">• Prime: server monitoring and metrics analytics using TIG (Telegraf, Influxdb, Grafana) stack• Created scripted dashboards and complex queries with influx NoSQL for business needs• Logged monitoring utilizing ELK (ElasticSearch, Logstash, Kibana) stack• Server orchestration using Ansible and Ansible Tower• Analyzed and troubleshooted server issues on OpenStack | |
| Multimedia Language Lab Monitor | 2017 - 2019 |
| Algonquin College, Ottawa, ON | |
| <ul style="list-style-type: none">• Provided technical support for students and professors• Maintained technical resources | |