

NICHOLAS LEWANOWICZ

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EDUCATION

Carleton University, Ottawa, Ontario

BACHELOR OF COMPUTER SCIENCE, SOFTWARE ENGINEERING STREAM, CO-OP, MINOR IN PSYCHOLOGY

September 2013 - Present

- Fourth year, CGPA of 9.15/12
- Recipient of a second tier Robertson Scholarship
- Expected graduation date: April 2019

AVAILABILITY

Available for a 4 month term May - September 2018

TECHNICAL SKILLS

- Programming experience with Python, Java, C, C++, NodeJS, EmberJS, Javascript, HTML/CSS
- Currently learning Go, Solidity, and Tensor Flow
- Experience creating complex data structures using java and python to improve time complexity
- Design experience implementing abstract relational database in a practical context to be used in a dev. tool and improve team efficiency
- Creating test cases to trial sorting algorithms and their efficiency
- Utilize object oriented programing to improve program structure in a Linux environment
- Applied encapsulation, inheritance, and polymorphism to improve reusability of existing programs
- Operated remote procedure calls over internet protocol to supply data
- Maintained (semi) open-source repositories to support compatibility with newer dependencies
- Use of Unix and Docker in a VM to test production builds and API's
- Accounting experience through personal startups with small business finance and money management
- Assessed and approved new employees throughout the hiring process ensuring their position would be appropriate for their skill set and level

INTERPERSONAL SKILLS

- Managed large person groups into task specific teams to manage their workflow
- Work within groups to design and execute plans with project goals in mind
- Work effectively independently to accomplish assigned projects
- Comfortable interacting directly with clients/customers and communicate both specific or general concepts
- Leading customer support teams to provide the best possible experience for the customer
- Work in an agile environment with short sprints to perform continuous development of business facing products

ParkSpace iOS Application

Sept 2017 - Present

Parking Space finding Application

- Used Python and Node.JS with AWS Lambda to create a backend API's and data from a NoSQL backend
- Used JSONapi to format GET and POST requests reliably and using restful standards
- Working a project from the base concept through multiple revisions and bug fixes
- Optimized backend queries to reduce server request times while providing the best options to the client based on their current GPS coordinates

WORK EXPERIENCE

Accedian January 2018 – Current (2 months)

Ottawa, ON

Software Developer - UI Developer

- Worked on a brand new team within Accedian for a new customer facing data visualization product
- Using agile development in a small team to accomplish accelerated iterative development
- Visualize extremely granular data in a understandable relevant way

Ciena BluePlanet September 2016 – Jan 2018 (1 year 6 month) Ottawa, ON

Software Developer - Big Data Analytics

- Worked on internal component/tool team for 8 months then transitioning to a big data analytics and machine learning incubator project for 8 months delivering a marketable business facing product
- Worked using agile development with multiple teams to create large scale business facing products
- Develop and improve existing internal components to maintain inter-compatibility with internal/external dependencies
- Design webpage UI to convey powerful analytics and user data in a digestible and functional way

Versaterm Inc May 2017 - August 2017 (4 months)

Ottawa, Ontario

Software Developer

- Create RESTful backend api to navigate complex trees of data in an efficient way build appropriate responses
- Design and develop an intuitive UI for 911 operators conveying abstract relationships using material design language
- Built robust test suites for UI and backend work to ensure that the feature would not regress after my work ended

Personal Startup "MCWarside" April 2014 – November 2015 (1 year 8 months)

Founder and Co-Owner

- Increased gross revenue to over \$30 000/monthly through implementation of new product categories
- Managed CentOS server machines with MySQL databases to facilitate online community interaction
- Bug fixing and script implementation to limit downtime and improve clients experience
- Created new products consistently over my involvement in the company to consistently innovate our portfolio

RECORD OF GRADES

Student Name: Nicholas Lewanowicz

Carleton University

Bachelor of Computer Science, 4th Year Standing

Software Engineering, Co-op Option, Minor in Psychology

Cumulative Grade Point Average: 9.15/12

Number of Academic (4 month) Terms Completed: 4

Co-op (4 Month) Work Terms Completed: 3

Graduation Date: April 2019

Course Number	Course Name	Letter Grade
Year One:		
COMP 1405	Introduction to Computer Science I	B
COMP 1406	Introduction to Computer Science II	B-
COMP 1805	Discrete Structures I	C-
MATH 1104	Linear Algebra I	B-
MATH 1007	Calculus I	B
CGSCI 1001	Cognitive Science I	B+
PSYC 1001	Psychology I	A+
PSYC 1002	Psychology II	B+
BUSI 1003	Survey of Accounting	B
CGSC 2001	Cognitive Science II	C+
Year Two:		
COMP 2402	Abstract Data Types and Algorithms	A
COMP 2406	Fundamentals of Web Applications	A
COMP 2804	Discrete Structures II	A-
COMP 2401	Systems Programming	B+
COMP 2404	Software Engineering	B-
MATH 2007	Elementary Calculus II	B+
STAT 2507	Statistical Modeling	A-
PSYC 2001	Intro to Research Methods	A-
PSYC 2002	Intro to Statistics in Psychology	A+
PSYC 2100	Social Psychology	A
Year Three:		
COMP 3804	Design and Analysis of Algorithms I	A
COMP 3007	Programming Paradigms	A+
TSES 3001	Technology-Society Interactions	A-
PSYC 2400	Criminal Behaviour	A
PSYC 3402	Forensic Psychology	A-
COMP 3004	Object-Oriented Software Engineering	In Progress
COMP 3000	Operating Systems	In Progress
COMP3005	Database Technologies	In Progress

COMP4106	Artificial Intelligence	In Progress
COMP 3008	Human Computer Interaction	In Progress