

Adam Balint

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Education

Masters of Applied Science in Engineering Systems and Computing

UNIVERSITY OF GUELPH

Guelph, Ontario, Canada

May 2017 - December 2019

- **Completed Courses:** Introduction to Machine Learning, Deep Learning, Machine Vision, Computational Statistics
- Member of the Machine Learning Research Group and the Vector Institute

Bachelor of Science in Computer Science

BROCK UNIVERSITY

St. Catharines, Ontario, Canada

September 2012 - April 2017

- **Completed Courses:** Artificial Intelligence, Machine Learning, Artificial Neural Networks, Genetic Programming, Algorithms, Computer Graphics, Software Engineering
- **Yonsei University**, Seoul, South Korea — *Student Exchange Program, September 2014 - June 2015*

Skills

Programming Languages	Python, Java, C/C++, Go
Web Development	HTML, CSS, Javascript, PHP, MySQL
Frameworks	PyTorch, OpenCV, Scikit-learn, Tensorflow, DEAP
Platforms	Windows, MacOS, Linux/Unix, AWS, GCP
Spoken Languages	English (Native), Hungarian (Native), Korean (Basic)

Experience

Graduate Research Assistant

UNIVERSITY OF GUELPH

Guelph, ON, Canada

May 2017 - December 2019

- Exploring the use of generative adversarial networks for data augmentation

Applied Machine Learning Intern

CLARIFAI

New York, NY, USA

January 2019 - May 2019

- Developed and iterated on internal tools to increase efficiency of data validation and taxonomy creation

Graduate Teaching Assistant

UNIVERSITY OF GUELPH

Guelph, ON, Canada

September 2017 - April 2018

- Courses: 2nd Year Differential Equations, 3rd Year Intelligent Systems
- Conducted and graded weekly labs and assignments
- Hosted regular office hours to assist students with course material
- Invigilated and graded exams

Marker

BROCK UNIVERSITY

St. Catharines, ON, Canada

January 2017 - April 2017

- Accurately marked assignments and ensured academic integrity policies were enforced
- Exam Proctor

Undergraduate Teaching Assistant

BROCK UNIVERSITY

St. Catharines, ON, Canada

September 2016 - December 2016

- Course: 3rd Year Introduction to Artificial Intelligence
- Developed and presented weekly tutorials reviewing and expanding on information discussed in lecture
- Accurately evaluated and provided feedback on assignments related to artificial intelligence

Help Desk Tutor

BROCK UNIVERSITY

St. Catharines, ON, Canada

September 2016 - December 2016

- Assisted Computer Science students of all years with their questions

Undergraduate Research Assistant

BROCK UNIVERSITY

St. Catharines, ON, Canada

May 2016 - August 2016

- Reviewed prior research literature on the topic of community detection
- Implemented and improved upon the GA-Net community detection algorithm proposed by Pizzuti, 2008

Information Security Analyst (Co-op)

CANADIAN IMPERIAL BANK OF COMMERCE

Toronto, ON, Canada

January 2014 - August 2014

- Created scripts to automate manual processes and improve the efficiency of quarterly vulnerability reporting
- Improved and expanded on already existing scripts and databases to make them more efficient and user friendly
- Created and maintained in-depth documentation outlining the function and operation of all scripts and databases
- Assessed security patch releases and immediately informed the responsible teams of the results

Projects

SeeLang	Audio-Visual based language learning application (in-progress)
Picasso's Iris	Convolutional Neural Network based style transfer
Predator vs. Prey	Predator vs. Prey behavior evolution simulator using Particle Swarm Optimization
EmotionNet	Convolutional Neural Network based emotion classifier
ALPS GA-Net	Implementation of GA-Net (Pizzuti, 2008) using an Age Layered Population Structure (Hornby, 2009)
Symbolic Regression Classifier	Genetic Programming classifier using symbolic regression written in Python using DEAP

Other Experience

Computer Science Club President/Executive

BROCK UNIVERSITY

St. Catharines, ON, Canada

November 2015 - April 2017

- Organized social and learning events for the Computer Science Club
- Managed club finances
- Represented students in the Computer Science Department

ACM International Collegiate Programming Contest

EAST CENTRAL NORTH AMERICA REGIONAL CONTEST PARTICIPANT

Windsor, ON, Canada

2012, 2013, 2015, 2016

- Solved challenging programming problems in a small team environment; then submitted the results to judges for evaluation

Conversation Partner

BROCK UNIVERSITY

St. Catharines, ON, Canada

September 2013 - April 2017

- Assisted international students in improving their spoken English and grammar skills