

# Evgeny Naumov

[github:qdbp](#) | [evgeny at enaumov dot me](mailto:evgeny@enaumov.me)

## EDUCATION

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| 2015 - 2017 | Master of Science, <b>Computer Science</b> , McGill University, Montreal<br>Research specialization in deep learning<br>Research project in analysis of timeseries using convolutional neural networks, supervised by Joelle Pineau<br>GPA: 3.7 |
| 2010 - 2015 | Bachelor of Science, <b>Mathematical Physics</b> , uWaterloo, Waterloo<br>Honours, Co-operative Program, Dean's Honours List<br>University of Waterloo President's Scholarship<br>Sir Isaac Newton Entrance Scholarship<br>GPA: 4.0             |

## WORK EXPERIENCE

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| 2019 - 2021 | <b>Quantitative Software Developer</b> , ELEVATE SECURITY INC., remote<br>Developed production-quality Bayesian analysis framework for human security risk factors and intervention effectiveness.<br>Designed and implemented algorithm to assess employee security risk, integrating multiple data sources robustly.  |
| 2018 - 2019 | <b>Senior Analyst for AI</b> , MCGILL UNIVERSITY, HPC CENTRE, Montreal, QC<br>Advised on and implemented machine learning algorithms for researchers.<br>Assisted researchers with software installation and execution on the Linux based High Performance Computing (HPC) platform.<br>Developed and taught interactive workshops on machine learning in Python. |
| 2016 - 2018 | <b>Lead AI Researcher</b> , DELVE LABS INC., Montreal, QC<br>Built a containerized machine learning backend in Python from the ground up.<br>Designed a Bayesian predictor for false positive network vulnerability detections.<br>Worked on machine learning algorithms for context-sensitive vulnerability severity assessment.                                 |
| 2017        | <b>Contractor</b> , UDEM CRIMINOLOGY, Montreal, QC<br>Designed an NLP convolutional neural network to categorize dark-web sales listings.<br>Achieved performance gain over bag of words model while using significantly more specific labels.  |

## SELECT PERSONAL WORK

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| <a href="#">cars.enaumov.me</a>    | Used-car shopping app made with Plotly/Dash from Truecar data.         |
| <a href="#">tw_s_autorebalance</a> | Tax-aware rebalancing bot. Manages six figures fully automatically.    |
| <a href="#">palette_gen</a>        | A lighting-aware color-scheme generator using a custom colorspace.     |
| <a href="#">pulp-lparray</a>       | Accelerator library for MILP, extending PuLP with NumPy vector ops.    |
| <a href="#">salmon theme</a>       | A theme and color scheme for JetBrains IDEs with careful color design. |

## TEACHING

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2019, 2020	<b>Introduction to Python</b> , WORKSHOP, Montreal, QC Taught very well-reviewed series of four lectures on Python to MBA students with varied backgrounds. Focused on engagement, motivation and fundamental skills in working with code to enable students to self-start in programming.
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## SPEAKING ENGAGEMENTS

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Aug. 31, 2017	<b>GoSec</b> , CYBERSECURITY CONFERENCE, Montreal, QC
Mar. 27, 2017	<b>Serence RISC</b> , CYBERSECURITY CONFERENCE, Montreal, QC Presented a broad overview of the branches of machine learning to an audience with a security background. Used examples from work at Delve Labs to illustrate fundamental concepts.
Aug. 18, 2016	<b>Machine Learning for Healthcare</b> , WORKSHOP, Los Angeles, CA Summarized my thesis on using CNNs on spectrograms. Explained the fundamentals of CNNs to an audience with a healthcare background.

## PROGRAMMING LANGUAGES

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Python	Total expert-level fluency. Deep knowledge of the standard library. Libraries: NumPy, SciPy, Pandas, Scikit-Learn, PyTorch, PyMC3, Pyro.
Shell scripts	Highly experienced. Can write complex scripts maintainably.
SQL	Strong working knowledge. Experience with Sqlite and Postgres.
Java, Kotlin	Comfortable writing clean code. Experience with the IDEA IDE.
C, C++	Good working knowledge.

## TECHNICAL SKILLS

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Programming	Fluent Python programmer, comprehensive numerical experience. Competent with other languages. Proud of correct, maintainable and efficient code.
Bayesian Statistics	Understand theory and graphical modeling. Know MCMC and SVI tooling such as Pyro, PyMC3.
Machine learning	Solid understanding of fundamentals and modern algorithms. Experience implementing major deep learning architectures.
AWS	Comfortable working with multiple roles and credentials. Familiar with common services and the API.
Docker	Experience building and deploying images in common scenarios.
Git	Extensive experience. Quick navigation, merging, rebasing. Clean commit history.
Linux	Native user since 2010, extensive expertise and understanding.
Mathematics	Strong background and keen problem solving ability. Domains: probability and statistics, linear algebra, calculus, differential equations.

## LANGUAGES

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RUSSIAN	Native speaker.
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