Victor Samsonov

Address: 3241 S Wabash Ave, Chicago, IL 60616

Phone: +1 312 973 2349

Kaggle: kaggle.com/vicsonsam

GitHub: github.com/victorsamsonov

Email: vsamsonov@hawk.iit.edu

EDUCATION

Illinois Institute of Technology – B.S Computer Science and M.A.S Artificial Intelligence – <u>3.79 GPA</u>

<u>Relevant</u> **Technologies/ Programming languages**: • Python • R • scikit-learn • TensorFlow and Keras • PyTorch • Azure ML • MySQL • Flask • Haskell • Racket • Node JS • F#

Undergraduate Courses: Linear Algebra, Multivariable and Vector Calculus, Probability and Statistics, Algorithms, Introduction to AI, Introduction to Machine Learning, Data Mining, Database Organization, and Software Engineering.

Graduate Courses: Machine Learning, Deep Learning, and Natural Language Processing.

My Portfolio: https://victorsamsonov.github.io/portfolio/

EXPERIENCE

AI Engineer Intern @ Janova, July 2022 – Current

- Closely worked on developing AI solutions for a **smart table tennis racket** that tracks the players progress and analyzes the technique of the user
- Worked on improving the **Data Processing pipeline** and wrote test cases
- Performed Data Augmentation by rotating the axis of the data, which resulted in improving the accuracy by 5.4%

<u>Technologies used</u>**:** Azure ML | Azure Blob Storage | Python | TensorFlow

Data Science and Computational Mathematics Student Researcher @ Illinois Institute of Technology, May 2022 – Current

- Worked with a team of professors on the topic of "**Energetic Variational Inference Gaussian Process Regression for Computer Experiments"**
- Created simulations ranging from simple toy problems to borehole computer experiments with **PyTorch** which will be showcased in a book chapter
- Participated in biweekly meetings and **presented my contributions progress to the IIT College of Computing**

<u>Technologies and topics</u>**:** Research | PyTorch | GPyTorch | Bayesian Statistics | Partial Differential Equations

Volunteer/ Part-time work

Developer (Machine Learning Focused) @ EKI-Digital, January – March 2022, Part-Time

Front-End React-Native Developer @ Perkuno, April 2020 – January 2022

CERTIFICATIONS/ SPECIALIZATIONS

Deep Learning A-Z: Hands-On Artificial Neural Networks (22.5 hours)

Machine Learning A-Z: Hands-On Python & R In Data Science (44.5 hours)

PERSONAL PROJECTS

Sorting Visualizer, React JS

Pathfinding Visualizer, React JS

Random Sudoku Generator, Python

AWARDS AND OTHER

Awards: Dean's List (3 times) | International Student Scholarship | **CAE** (Issued by University Cambridge in 2017) | **HSK 2** (Mandarin Certificate)

Languages: Spanish, English, and Serbian.

Data Science Books I've Read:

- *Python Data Science Handbook*   • *The Hundred-Page Machine Learning Book*

- *Hands-On Machine Learning with Scikit-Learn, Keras and Tensorflow*   • *Deep Learning (Yoshua Bengio)*