DARYA SHYROKA

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EDUCATION

Master of Data Science in Computational Linguistics
University of British Columbia, 2020 – 2021

Bachelor of Science in Computer Science and Linguistics
University of Toronto, 2015 – 2020

TECHNICAL SKILLS

- **Python**: NumPy, Pandas, Sci-Kit Learn, SciPy, PyTorch, spaCy, TensorFlow
- **Statistics**: regression, hypothesis testing
- **Machine Learning**: Linear and Logistic Regression, Decision Trees, SVM, Random Forest, LightGBM, Naïve Bayes, clustering algorithms (k-NN)
- **Neural Networks**: Encoder-Decoder models, RNNs (including LSTMs, GRUs), CNNs, ELMo, BERT, Transformers, word2vec
- **Other languages**: Java, C

TECHNICAL PROJECTS

- CERF level text classifier. Created a corpus and developed statistical and neural models with useful linguistic features. Obtained a test accuracy of 94%. https://github.com/miataigeli/capstone_FHIS
- Russian Speech to English Text translation system. Used HuggingFace's Wav2Vec2 library with the Russian Common Voice dataset for training. Obtained a final WER of 39%. https://github.ubc.ca/sshank00/COLX_585_Project/
- Created an on-screen simulation of a Garmin eTrex 20x Hiking GPS. Worked in a Scrum team doing Agile development. https://github.com/CharliePESloan/Ram-XTrek

WORK EXPERIENCE

PROGRAMMER
ASYNCHRON SYSTEMS, Toronto, Ontario   2018 – 2020

- **Back-end and front-end development**:
  - Wrote BASIC programs to generate instant custom PDFs, export data to spreadsheets, reports and emails, create Text UIs.
  - Programmatically updated company website, https://www.asynchronsystems.com/.

LANGUAGE SKILLS

English, Russian: native level proficiency (C2); **French, Spanish**: intermediate proficiency (B1-B2).