Eduard Netsajev

Software Engineer

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EDUCATION

Tallinn University of Technology   **Tallinn, Estonia**
Bachelor of Science in Engineering   *June 2016*
Major: Computer Science
GPA: **4.82**/5.00, *cum laude*

WORK EXPERIENCE

Jane Street Capital   **London, UK | New York City, US**
Software Developer Intern   *March 2017 - May 2017*
- Improved by more than **120%** business-critical real-time trades monitoring application's performance speed
- Designed and implemented web-framework in **OCaml** for fast, easy, and type-safe web forms development

Nortal   **Tallinn, Estonia**
Software Developer   *June 2015 - May 2016*
- Key responsibilities included software design and full-stack feature-driven implementation using **Java**, **JavaScript**, **SQL** and more in numerous projects varying from corporate platforms to government online service portals
- Developed XBLR taxonomy documents error-detection and correction algorithm

SKILLS

- Professional Experience: Java, OCaml, JavaScript, SQL, Bash, Spring Framework, AngularJS, HTML/CSS
- Academic Exposure: Python, Kotlin, C++, PHP, Prolog, C, MATLAB, Go

PROJECTS

Motor Insurance Clients Risk Level Evaluation using Artificial Neural Networks and Deep Learning
- Developed a risk level evaluation system for a large motor insurance company using **Machine Learning** methods in a framework of R&D project LEP15111 as part of a bachelor's thesis
- Solution selected for production implementation over 3 alternatives developed by a team of PhDs
- Achieved much better accident probability accuracy compared to the previously used system
- Main technologies used include **Python**, Keras, Theano, NumPy, Matplotlib

Gomoku game AI
- Participated in annually held competition for students of the **Java** Programming course (final project)
- Confident win over all other students' algorithms and previous champions, still undefeated
- Conducted an extensive research and designed an original variation of the Threat-Space-Search algorithm

Timetable
- Created Android app for students to freely organize their schedule and view upcoming classes
- Consists of two sub-projects: **Python** back-end server for periodic university schedule scraping and an Android application written in **Java** for the data inquiries and schedule personalization.

ACHIEVEMENTS AND EXTRACURRICULARS

- ACM International Collegiate Programming Contest (Fall 2014, Fall 2015)
- IEEEXtreme 24-Hour Programming Competition (Fall 2014)
- Google Hash Code Programming Competition (Winter 2016)
- Since finishing my internship at Jane Street Capital in May 2017 I have been busy with personal development, exploring new hobbies, working on long-planned projects, and traveling around Europe (20+ countries)