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, Android Framework, 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 extensive research and designed an original variation of the Threat-Space-Search algorithm

Live Twitch Clips
- **Kotlin** application that archives Twitch clips and their chat logs by rendering them as parts of a single video
- Clips are acquired by monitoring most promising clips posted on Reddit; rendered videos are uploaded to YouTube/Streamable/Reddit (using reverse-engineered Reddit video upload API)
- In the process became the top contributor to the Java Reddit API Wrapper (JRAW) project after the library creator
- More than 1.6 million views accumulated on YouTube and Streamable after 180 days with 13,000+ clips processed and uploaded, providing a viewing experience far superior to the clips' original platform (Twitch)

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)