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%** the speed of a business-critical real-time trades monitoring application
- Designed and implemented an **OCaml** web-framework for easy and type-safe web forms development

Nortal   **Tallinn, Estonia**
Software Developer   *June 2015 - May 2016*
- Developed full-stack applications using **Java**, **JavaScript**, **SQL** and more for corporate platforms and government online service portals
- Implemented error-detection and correction algorithm for XBRL taxonomy documents

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 using **Python**, Keras, NumPy, and Matplotlib
- 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

Live Twitch Clips
- Implemented a **Kotlin** application that archives Twitch clips and their chat logs by rendering them as a single video
- Acquired clips by monitoring the most promising posts on Reddit; rendered videos are uploaded to YouTube, Streamable, and Reddit using a reverse-engineered Reddit video upload API
- Attained top contributor status on the Java Reddit API Wrapper (JRAW) project, second only to the library creator
- Accumulated over **1.6 million** views on YouTube and Streamable after 180 days with more than 13,000 clips processed and uploaded, providing a viewing experience far superior to the clips' original platform (Twitch)

Gomoku game AI
- Participated in annually held competition for students of the **Java** Programming course (final project)
- Conducted extensive research and designed an original variation of the Threat-Space-Search algorithm
- Won 1st place, defeating all past champions and other students' algorithms, and currently still undefeated

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 and career development: exploring new hobbies, working on long-planned projects, participating in competitive programming contests, contributing to Open Source Software, and traveling around Europe (20+ countries)