

# EDUARD NETSAJEV

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## EDUCATION

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**Tallinn University of Technology**, Tallinn

Bachelor of Science in Engineering, June 2016

Major: Informatics

GPA: 4.82/5, *cum laude*

## EMPLOYMENT

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**Jane Street Capital, Developer Intern**

March 2017 - May 2017

- Created OCaml framework for easy and type-safe web forms design and manipulation
- Improved real-time trades monitoring application's performance speed by more than 120%

**Nortal, Junior Java Developer**

June 2015 - June 2016

- Key responsibilities include software design and full-stack feature-driven implementation
- Involved in projects varying from corporate marketing and publishing platforms to government online service portals

## SKILLS

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- Professional Experience: Java, OCaml, JavaScript, SQL, Bash, Spring Framework, AngularJS
- Academic Exposure: Kotlin, Go, Python, PHP, Prolog, C, MATLAB C#
- Tools: Unix, Git, Mercurial, Emacs

## PROJECTS

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**Thesis: Motor Insurance Clients Risk Level Evaluation using Artificial Neural Networks and Deep Learning**

- Developed an artificial intelligence methods based system for risk level evaluation of motor insurance clients for a large insurance company in a framework of R&D project LEP15111
- Solution selected for final implementation over 3 alternatives developed by a team of PhD's
- Achieved much better accident probability accuracy compared to the old system
- Main technologies used include Python, Keras, Theano, NumPy, Matplotlib, Jupyter Notebook

**Gomoku game AI:** Java course final project

- Confident win over all other student's algorithms and previous champions, still undefeated for 2 years
- Done extensive research and created an original variation of Threat-Space-Search algorithm

**Timetable:** Personal project using Java, Android, Python

- Created Android app for students to freely organize their schedule and view upcoming classes
- Includes two sub-projects: Android application in Java and server-side data gathering Python script

## ACHIEVEMENTS AND EXTRACURRICULARS

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**ACM International Collegiate Programming Contest**

Fall 2014, Fall 2015

- Both times team placed 1st in TUT and proceeded into quarterfinals in Minsk, Belarus

**IEEEExtreme 24-Hour Programming Competition**

Fall 2014

- 1st place in TUT and top <10% of more than 2000 teams around the world

**Google Hash Code 2016 Programming Competition**

Winter 2016

- 1st place in TUT Hub