IVAN TISHCHENKO

Software Engineer

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EXPERIENCE

Research Assistant
ETH Zurich

📅 July 2020 – Ongoing   📍 Zurich, Switzerland

- Conducting research in 3D Computer Vision and Deep Learning.
- **Technologies:** Python, PyTorch

Software Engineer Intern
Swisscom

📅 Feb 2019 – Oct 2019   📍 Bern, Switzerland

- Developed an interactive visualization dashboard.
- Implemented API, UI, persistence and access control.
- The app is actively used by the operational and support teams.
- **Technologies:** Java, JavaScript, CI/CD, TDD, agile methodology

Software Engineer (working student)
Astrivis

📅 Oct 2018 – Feb 2019   📍 Zurich, Switzerland

- Implemented data fetching and synchronization logic.
- Designed a drag and drop feature for merging models.
- Adapted the architecture to Fragments.
- **Technologies:** Java, Android development, networking

Software Developer (working student)
Interdisciplinary Centre for Security, Reliability and Trust

📅 Sep 2016 – Feb 2017   📍 Luxembourg

- Developed an initial framework for RoboCup.
- **Technologies:** C++, Python, GNU/Linux

Software Developer Intern
Digital and Population Data Services Agency

📅 May 2016 – Jul 2016   📍 Helsinki, Finland

- Developed an iOS prototype app for creating digital signatures.
- **Technologies:** Swift, iOS development, PKI

PROJECTS

📅 2020   Self-Supervised Scene Flow Learning (Python, PyTorch)

📅 2018   Hand Pose Estimation with CNNs (Python, TensorFlow)

📅 2018   Semantic segmentation of satellite images (Python, Keras)

📅 2018   Analytics platform for Instagram (Java, Spring Boot)

📅 2017   Middleware for a cloud distributed system (Java, NoSQL)

EDUCATION

M.Sc. in Computer Science
ETH Zurich

📅 Sep 2017 – July 2020

Specialization:
- Machine Learning
- Computer Vision

B.Sc. in Computer Engineering
National Technical University of Ukraine "Kyiv Polytechnic Institute"

📅 Sep 2013 – July 2017

SKILLS

Java   Python   JavaScript   C/C++

GNU/Linux   Git   CI/CD

Machine Learning   Computer Vision

AWARDS

🎓 **Master Scholarship Programme**
ETH Zurich, Switzerland. Top 10% of Bachelor's degree programme.

🎓 **EUROEAST academic grant**
Two grantees out of all CS/CE/EE Bachelor's students at KPI.

🏆 **European Forum Alpbach Scholarship**
Interdisciplinary conference. Austria

CERTIFICATIONS

✺ **Deep Learning Specialization**
Coursera

✺ **Machine Learning**
Coursera

✺ **Software Security**
Coursera

LANGUAGES

Language		
English	●●●●○
German	●●●●○
Ukrainian	●●●●●
Russian	●●●●●
Chinese	●○○○○