

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

- English ● ● ● ● ●
- German ● ● ● ● ●
- Ukrainian ● ● ● ● ●
- Russian ● ● ● ● ●
- Chinese ● ● ● ● ●