Ondřej Texler

CONTACT INFORMATION
Department of Computer Graphics and Interaction
Faculty of Electrical Engineering
Czech Technical University in Prague
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PERSONAL DATA

Date of birth:	9th October 1992
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EDUCATION

Doctoral degree study (PhD)   **2018 – Present**
Computer Graphics, Faculty of Electrical Engineering, Czech Technical University in Prague.
Dissertation Thesis: Example-based Stylization.

Master degree study (MSc)   **2016 – 2018**
Software Engineering, Faculty of Information Technology, Czech Technical University in Prague.
Master Thesis: Digital Image Processing and Image Stylization.

Bachelor degree study (BSc)   **2012 – 2015**
Software Engineering, Faculty of Information Technology, Czech Technical University in Prague.
Bachelor Thesis: Architecture design and implementation of a large software system.

High school   **2004 – 2012**
Mathematics, Physics, and Descriptive Geometry specialization, Gymnasium of Christian Doppler.

PROFESSIONAL EXPERIENCE

Intern Research Scientist, Snap Inc., Los Angeles, California   **7/2019 – present**
Research & Development. Combining generative adversarial networks and patch-based style transfer methods.

Remote Collaboration, Adobe Research, USA   **9/2017 – present**
Research & Development. Remote collaboration on several research projects, publications, and tech transfer project. Computer graphics; patch-based style transfer; neural-network-based style transfer.

Intern Research Scientist, Adobe Research, Seattle, Washington.   **7/2018 – 10/2108**
Research & Development. Combining neural-network-based and patch-based style transfer methods. Chunk-based style transfer method with focus on a real-time performance.

Intern Research Scientist, Adobe Research, San Jose, California   **9/2017 – 12/2107**
Research & Development. Guiding patch-based style transfer method using convolutional neural networks, image harmonization, and histogram optimization. Integrating developed style transfer method into Adobe Photoshop.

Software Architect and Developer, Dynavix, Prague, Czechia   **5/2014 – 9/2017**
Software Architecture & Development. The navigation application for smartphones, tablets, and PND devices. C++, Java (Android), JavaEE, Objective-C (iOS), C#.

Software Developer, World of Warcraft game server, Prague, Czechia   **2/2013 – 5/2014**
Software & Database Development. The World of Warcraft game server. Extending game mechanics, scripting artificial intelligence, data-mining. C++, C#.

COMPUTER
SCIENCE &
PROGRAMMING
SKILLS

Software Architecture & Development
Advanced. 5+ years of practical experience.

Academic / Research & Development
Advanced. 3+ years of academic and practical experience.

Deep Learning / Convolutional Neural Networks
Intermediate. 2+ years of practical and theoretical experience. DeepLearning.ai specialization courses.

C/C++11/14
Proficient. 7+ years of practical experience.

Android (Java)
Proficient. 6+ years of experience in Java; 5+ years of experience in Android.

JavaEE
Advanced. 2 years of practical experience.

Python
Intermediate. 2+ year of practical experience; machine learning, data-science.

C#
Intermediate. 2 years of practical experience.

Objective-C
Intermediate. 1 year of practical experience.

PUBLICATIONS

[Accepted to Siggraph 2019] O. Jamriška, Š. Sochorová, **O. Texler**, M. Lukáč, J. Fišer, J. Lu, E. Shechtman, and D. Sýkora: **Stylizing Video by Example.** (Siggraph, Los Angeles, California, July 2019)

[Accepted to Expressive 2019] **O. Texler**, J. Fišer, M. Lukáč, J. Lu, E. Shechtman, and D. Sýkora: **Enhancing Neural Style Transfer using Patch-Based Synthesis.** (Expressive, Genoa, Italy, May 2019)

[Accepted to Eurographics 2019] D. Sýkora, O. Jamriška, **O. Texler**, J. Fišer, M. Lukáč, J. Lu, and E. Shechtman: **StyleBlit: Fast Example-Based Stylization with Local Guidance.** In *Computer Graphics Forum.* (Eurographics, Genoa, Italy, May 2019)

O. Texler and D. Sýkora: **Example-Based Stylization of Navigation Maps on Mobile Devices.** In *Proceedings of the 22nd Central European Seminar on Computer Graphics.*, (CESCG, Smolenice, Slovakia, 2018)

STUDENT
SUPERVISION

CTU in Prague:
A. Moravcová (MSc), A. Sternwaldová (MSc)

NATIONAL
LANGUAGES

Czech language:	*Native speaker*
English language:	*Fluent*
Russian language:	*Beginner*