VINCENT SITZMANN

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vsitzmann.github.io

EDUCATION

Stanford University **Sep 2017 – Present**
Ph.D. in Electrical Engineering, ***Stanford Graduate Fellow (Sequoia Capital****)*
- Research in self-supervised perception for AI.
- Advisor: Prof. Gordon Wetzstein.

Stanford University **Sep 2015 – Jun 2017**
Master studies in Computer Science, ***Fulbright Fellow*** *GPA 4.0 / 4.0*
- Relevant coursework: Machine Learning, Artificial Intelligence, Convolutional Neural Networks for Visual Recognition, Natural Language Understanding, Graph Analysis, Data Mining and Analysis

Technical University of Munich **Oct 2011 – Apr 2015**
Bachelor studies in Electrical Engineering *GPA 3.8 / 4.0*
- Degree awarded with high distinction (top 3% of class)
- Semester abroad at the Hong Kong University of Science and Technology, GPA 4.23/4.3
- Honors Degree in Technology Management from Center of Digital Technology and Management

PUBLICATIONS

Sitzmann, V., Zollhöfer, M., Wetzstein, G., *Scene Representation Networks: Continuous 3D-Structure-Aware Neural Scene Representations.* NeurIPS 2019 (Oral, Honorable Mention: Outstanding New Directions).

Sitzmann, V., Thies, J., Heide, F., Niessner, M., Wetzstein, G., Zollhöfer, M., *DeepVoxels: Learning Persistent 3D Feature Embeddings.* CVPR 2019 (Oral).

Chang, J., **Sitzmann, V.**, Wetzstein, G.*, Hybrid optical-electronic convolutional neural networks with optimized diffractive optics for image classification.* Scientific Reports 2018.

Sitzmann, V.*, Diamond, S.*, Peng, Y.*, Dun, X., Boyd, S., Heidrich, W., Heide, F., Wetzstein, G., *End-to-end Optimization of Optics and Image Processing for Achromatic Extended Depth of Field and Super-resolution Imaging,* SIGGRAPH 2018. (* signifies equal contribution)

Sitzmann, V. *, Serrano, A. *, Pavel, A., Agrawala, M., Gutierrez, D., Wetzstein, G., *Saliency in VR: How do we explore virtual environments?* IEEE VR 2018. (* signifies equal contribution)

Padmanaban, N., Ruban, T., **Sitzmann, V.**, Norcia, A., Wetzstein, G., *Towards a Machine-learning Approach for Sickness Prediction in Virtual Environments,* IEEE VR 2018.

Serrano, A., **Sitzmann, V.**, Ruiz-Borau, J., M., Wetzstein, G., Gutierrez, D., Masia, B., *Movie editing and cognitive event segmentation in virtual reality video,* ACM Transactions on Graphics (TOG).

Diamond, S., **Sitzmann, V**., Boyd, S., Wetzstein, G., Heide, F., *Dirty pixels: Optimizing image classification architectures for raw sensor data.* In submission.

NON-REFEREED PUBLICATIONS

Diamond, S.*, **Sitzmann, V.***, Heide, F., Wetzstein, G., *Unrolled Optimization with Deep Priors*, arXiv.

AWARDS

NeurIPS Honorable Mention: Outstanding New Directions **2019**
For paper "Scene Representation Networks: Continuous 3D-Structure-Aware Neural Scene Representations"

Fellowships and Scholarships

Stanford Graduate Fellowship	2017
Scholarship of the German Academic Exchange Service	2016
Fulbright Scholarship	2015
Scholarship of the German National Academic Foundation	2013

Professional Experience

Google AI — **New York City, NY**
Research Intern — *June 2019 – October 2019*

Bridgewater Associates — **Westport, CT**
Investment Associate Intern — *June 2017 – August 2017*

Investiert AG — **Munich, Germany**
Co-Founder, Head of Operations — *Feb 2015 – Sep 2015*

Students Supervised

Amit Pal Kohli, Stanford (EE),	2019 – Present
Nicholas Strauch Gaudio, Stanford (EE),	2019 – Present

Invited Talks

SIGGRAPH — **Vancouver, Canada**
Saliency in VR — *August 2018*

University of Tübingen, Graphics Department — **Tübingen, Germany**
Learning Domain-Specific Cameras — *March 2018*

Max-Planck Institute for Informatics, Graphics Department — **Saarbrücken, Germany**
Learning Domain-Specific Cameras — *March 2018*