

Felix Hähnlein

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Citizenship: Germany

Education

Inria, Université Côte d'Azur Nice, France
PhD in Computer Graphics 09/2019 – 11/2022
Supervisor: Adrien Bousseau

Osaka University Osaka, Japan
Gap Year 2016 – 2017

ENSIMAG, Institut polytechnique de Grenoble Grenoble, France
Ingénieur diplômé/Graduate Engineer 2014 – 2018

Work Experience

University of Washington Seattle, WA, USA
Postdoctoral Scholar 04/2023 – Present
Supervisors: Adriana Schulz, Gilbert Bernstein

Inria, Université Côte d'Azur Nice, France
Research Engineer 11/2022 – 02/2023

Adobe Research Nice, France
Research Intern Summer 2021
Mentored by Niloy Mitra

Anatoscope Grenoble, France
Internship Summer 2016
Development of a collision detection method on GPU.
C++, OpenGL, GLSL

Bull Atos Technologies Grenoble, France
Internship 03/2018 - 08/2018
Parallelization of a communication component of OpenMPI.
C, Portals4

NGO Avenir Enfance Togo Lomé, Togo
Volunteership 2011 - 2012
Assistant in primary school and in orphanage.

Publications

Felix Hähnlein, Gilbert Bernstein, Adriana Schulz. [Understanding and Supporting Debugging Workflows in CAD](#). ACM UIST, 2024.

Zhihan Zhang*, **Felix Hähnlein***, Yuxuan Mei*, Zachary Englhardt, Shwetak Patel, Adriana Schulz, Vikram Iyer. [DeltaLCA: Comparative Life-Cycle Assessment for Electronics Design](#). ACM UbiComp, 2024.

* These authors contributed equally to this research.

Liane Makatura, Michael Foshey, Bohan Wang, **Felix Hähnlein**, Pingchuan Ma, Bolei Deng, Megan Tjandrasuwita, Andrew Spielberg, Crystal Owens, Peter Yichen Chen, Allan Zhao, Amy Zhu, Wil Norton, Edward Gu, Joshua Jacob, Yifei Li, Adriana Schulz, Wojciech Matusik. [How Can Large Language Models Help Humans in Design and Manufacturing? Part 1: Elements of the LLM-Enabled Computational Design and Manufacturing Pipeline](#). Harvard Data Science Review, 2024.

Felix Hähnlein, Changjian Li, Niloy J. Mitra, Adrien Bousseau. [CAD2Sketch: Generating Concept Sketches from CAD Sequences](#). ACM Transactions on Graphics (Proc. SIGGRAPH Asia), 2022.

Felix Hähnlein, Yulia Gryaditskaya, Alla Sheffer, Adrien Bousseau. [Symmetry-driven 3D Reconstruction from Concept Sketches](#). ACM SIGGRAPH, 2022.

Yulia Gryaditskaya, **Felix Hähnlein**, Chenxi Liu, Alla Sheffer, Adrien Bousseau. [Lifting Freehand Concept Sketches into 3D](#). ACM Transactions on Graphics (Proc. SIGGRAPH Asia), 2020.