

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

Zachary Englhardt, **Felix Hähnlein**, Yuxuan Mei, Tong Lin, Connor Masahiro Sun, Zhihan Zhang, Shwetak Patel, Adriana Schulz, Vikram Iyer. *Incorporating Sustainability in Electronics Design: Obstacles and Opportunities*. ACM CHI (Conditionally Accepted), 2025.

Zhihan Zhang, Yuxuan Mei, Alexander Le Metzger, **Felix Hähnlein**, Zachary Englhardt, Tingyu Cheng, Shwetak Patel, Adriana Schulz, Vikram Iyer. *SAMIR: Autonomous Sustainability Assessment via Multimodal Information Retrieval*. ACM MobiSys (under review), 2025.

Zhihan Zhang, Pu Thavikulwat, Alexander Le Metzger, Yuxuan Mei, **Felix Hähnlein**, Gregory D. Abowd, Shwetak Patel, Adriana Schulz, Tingyu Cheng, Vikram Iyer. *Living Sustainability: In-Context Interactive Environmental Impact Communication*. ACM UbiComp (under review), 2025.

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.