

RESEARCH INTERESTS

Human-Computer-Interaction, Data Visualization, Robotics, UI/UX Design, Applied Machine Learning

EDUCATION

- **University of California, Berkeley** Berkeley, USA
Master of Design – MDes Distinguished Scholar; GPA: 4.0/4.0 01/21 – 07/22 (expected)
- **University of Applied Sciences Würzburg-Schweinfurt** Würzburg, Germany
Bachelor of Arts in Communication Design – With Distinction; GPA: 3.8/4.0 10/15 – 08/19

RESEARCH EXPERIENCE

- **Microsoft Research** Redmont, USA
Research Intern 05/21 – 08/21
Research Advisor: Dave Brown
Researching data visualization applications in mixed reality at the Visualization and Interactive Data Analysis (VIDA) group.
- **UC Berkeley, College of Environmental Design** Berkeley, USA
Graduate Student Researcher 05/21 – 08/21
Research Advisor: Kyle Steinfeld
Researching methods for encoding & recovering 3D data in 2D representations for training generative adversarial networks on 3D architectural artifacts.
- **Helmholtz Institute for RNA-based Infection Research** Würzburg, Germany
Design Specialist – 'Integrative Informatics for Infection Biology' 03/20 – 02/21
Research Advisors: Lars Barquist, Jörg Vogel
Developing 2 web apps designed to accelerate RNA research in pathogens through novel GUI systems for programming data mining operations (*Python [Pandas, NumPy, Flask], Vue.js, MongoDB, deck.gl, HTML, CSS*). Developing high performance WebGL 3D & 2D heatmap. Developing & maintaining CI/CD (*GitHub Actions, Kubernetes*).

PROFESSIONAL EXPERIENCE

- **Nimble Spaces, Inc.** Berkeley, USA
Co-Founder 04/20 – Present
Co-founded Nimble Spaces after winning InnoDays hackathon and receiving \$10,000 initial Investment from EDF Innovation Lab. Currently in UC Berkeley's 'SkyDeck' & 'Big Ideas' Incubator. Designed & deployed 'Nimble parklet' to support COVID-19-affected restaurant in Oakland.
- **KUKA Robotics AG** Augsburg, Germany
Bachelor Student 06/19 – 07/19
Organized funds and a partnership with KUKA head of research to create my bachelor thesis consisting of an industrial robot painting GAN-generated artworks on canvas. Developed novel raster-to-CNC-path algorithm (*Python, OpenCV, KRL, NumPy*) and intuitive CLI-tool for demos at exhibitions (*bash*).
- **Volkswagen AG** Berlin, Germany
UI/UX Design Intern 09/17 – 03/18
Developed high-fidelity prototypes for a central app-concept serving the modern VW fleet with *Framer / JavaScript, Photoshop, Xd*. Interactive prototypes were presented to board of directors. Prototyped chatbots & similar predictive assistants. Designed UX flows, UIs, & corporate design guidelines.

AWARDS & DISTINCTIONS

- **2020 Fast Company Linda Tischler Award:** Winner
- **Berkeley SkyDeck Incubator (Hot Desk):** Berkeley incubator spot for 'Nimble Spaces'.
Acceptance rate: 5.3% (98 out of 1850)
- **Big Ideas Contest:** 'Nimble Spaces' – Finalist
- **Fast Company Innovation by Design Awards:** Finalist
- **2020 ADC Junior Award:** 'Auszeichnung'
- **MDes Distinguished Scholar Award:** \$20,000 scholarship from UC Berkeley.
- **European Design Award 2020:** Finalist
- **InnoDays Hackathon Berkeley:** Winner 'Implementation'
- **InnoDays Hackathon Innsbruck:** Winner 'Habitat'

SERVICE

- **Administrative Officer:** MDes Student Advisory Board, UC Berkeley
- **Student Advisory Board:** Jacobs Institute of Design, UC Berkeley

SKILLS

- **Programming:** Python (NumPy, Pandas, OpenCV), JavaScript (Vue.js), Git, HTML/CSS, Unix Shell (bash), Docker (Kubernetes), Framer (JS/CS), CI/CD (GitHub Actions), MongoDB, GCP
- **Visual Design:** Adobe CC (10+ years experience in: Photoshop, After Effects, InDesign, Premiere, Illustrator), Xd, Sketch, Framer, Figma, Digital Illustration/ConceptArt (Wacom)
- **Robotics:** KUKA Robot Language, Programming of KUKA robots (KRC 4, KRL-Ethernet, Profibus), WorkVisual
- **3D:** Cinema 4D, 3DS Max, Unity, Unreal Engine, Corona Renderer, Quixel Megascans/Bridge/Mixer, Fusion360
- **Cinematography:** DaVinci Resolve, Premiere, Audition, Blackmagic Camera Systems, Sony FS-Systems, Canon C-Series
- **Languages:** German (mother tongue), English (fluent, IELTS 8.0)