

Kevin Hinz | Master in Architecture

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EDUCATION

Harvard University Graduate School of Design.

Master in Architecture. 2016.

"5-Axis Additive Manufacturing for Architecture"

Thesis with Distinction.

University of Wisconsin-Milwaukee.

Bachelor of Science, Architectural Studies. 2010.

Summa Cum Laude, School of Architecture and Urban Planning (SARUP).

University Honors College: Honors Degree.



WORK EXPERIENCE

Intern Architect. **EM2N Architekten**, Zurich, CH. May 2018-Present

- Developing and presenting material design concepts for projects in execution.
- Architectural development, fabrication, model building, rendering, photography & external communication with material suppliers.

Faculty Appointed Researcher. **Université de Montréal**. Nov 2017-Mar 2018.

Dept. of Computer Science and Operations Research, LIGUM.

- Specify equipment, develop safe standard operating procedures and compose preliminary experiments in a new departmental FabLab specializing in digital fabrication and numerical simulation.

Research Associate + Project Manager. **Harvard GSD and Wyss Institute**. 2011-17.

Material Processes and Systems Group (MaP+S).

- Developed, designed and initiated the research and production of "Ceramic Morphologies," showcasing the industrial application of 3D printed ceramics guided with a thermally active engineering strategy. Contributions to Wyss Institute research include designing architectural prototypes using Wyss-AMT technologies, constructing exhibitions, leading journal publications and supporting research experiments for scientific documentation.

Fabrication Lab TA. **Harvard GSD**. 2011-16. CNC, Robotics, Wood Shop.

- Instructed students and faculty on the production of CNC cut models, components and technical design features in the School's fabrication lab. Survey and advise the safe operation of traditional shop tools and equipment.

Instructor. **Rob|Arch 2016**, Sydney, Australia. 2016.

Conference Workshop: 'Interactive 3D Printing.'

- Supported material preparations, troubleshooting machine setup and provided student technical support for an interactive 3D printed ceramics workshop at a biannual architectural robotics conference.

Design + Fabrication Consultant. **Harvard GSD**. 2013-16.

Building Services and Exhibitions Department.

- Specified and designed replacement building components. Designed and managed fabrication for the CNC production of custom exhibit components. Developed SOP documents and project schedule for rotating student employees.

Owning Partner. **Arker Configuration**. 2013-current.

Lead Editor and Graphic Designer. **NEXT.cc**. 2006-10.

Independent Contractor. Somerset KY. 1996-2010.

- Developed client relationships, offering design proposals and construction estimates. Managing primary and subcontractor schedules included coordinating material deliveries, employees and custom fabrication for residential and light commercial building construction.

CORE COMPETENCIES

Digital

Adobe Creative Suite
Dreamweaver
Indesign
Illustrator
Photoshop
AutoCAD, Vectorworks,
Microstation,
Rhinoceros / Grasshopper / Vray
Mastercam / Robot Master

Fabrication

CNC programming and tooling
GCode/Rapid Code
3D printing (models)
3D printing (tooling design)
Basic Machining, Casting/moulding

Craft + Trade

Site survey
Model production
Technical design
Prototype Design
Component design
Form & mould design
General construction
Tin smith / metal work

AFFILIATIONS + AWARDS

ACADIA Member
ALivE Research Group, Harvard GSD
FWD Talks Coordinator, Harvard GSD
Gilman Scholar, US Dept. of State
Inaugural Student Pavilion Design
Competition Winner, Harvard GSD
Johnson Foundation Wingspread
Fellow
Student Design Award winner, SARUP
Dean's List, SARUP
Phi-Kappa-Phi Fellowship Graduate
Study Award