

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.

DESIGN EXPERIENCE

Faculty Appointed Researcher. **Université de Montréal.** Nov 2017-Present.

Dept. of Computer Science and Operations Research, LIGUM.

-Specify equipment, standard operating procedures and preliminary experiments in a new departmental FabLab specializing in 3D printed clay.

Research Associate and 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 surface strategy. Contributions to the Wyss Institute research include designing architectural prototypes using Wyss-AMT technologies, constructing exhibitions, leading journal publications and supporting research experiments for scientific documentation.

Teaching Assistant. **Harvard GSD.** 2011-16.

Fabrication Lab: 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. Consult and instruction for tooling and control of 5 & 6-axis robotic arms in bespoke student projects.

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. Planned, cataloged and coordinated a schedule for unifying institutional signage protocols for gradual implemented by temporary employees. Designed and managed fabrication for the CNC production of custom exhibit components.

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.

SKILL SET

Digital

Adobe Creative Suite

Dreamweaver

Indesign

Illustrator

Photoshop

AutoCAD

Microstation

Rhinoceros / Grasshopper

Mastercam / Robot Master

Fabrication

CNC tooling and machine control

GCode / Rapid Code

3D printing (models)

3D printing (tooling design)

Casting

Craft + Trade

On-Site survey

Model production

Technical design

Component design

Form & mould design

General construction

Tin smith / metal work

AFFILIATIONS + AWARDS

Gilman Scholar, US Dept. of State

ACADIA Member

ALivE Research Group, Harvard GSD

FWD Talks Coordinator, Harvard GSD

Johnson Foundation Wingspread Fellow

Inaugural Student Pavilion Design

Competition Winner, Harvard GSD

Student Design Award winner, SARUP

Dean's List, SARUP

Phi-Kappa-Phi Fellowship Graduate

Study Award