

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

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.

-Executive advisement for guiding consul in the development of a service-based construction company installing industrial fixtures. Designed, Composed and generated initial web content for brand development.

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

-Produced and edited content for a K-12 design education website and corresponding publication.

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