

Paul Poinet

PhD, Computational Design Specialist

PERSONAL DETAILS

Birth March 4, 1992
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EDUCATION

Ph.D. in Architecture

2015-2020

Centre for Information Technology and Architecture

Ph.D. Fellowship at KADK / CITA (The Royal Danish Academy of Fine Arts Schools of Architecture, Design and Conservation / Centre for Information Technology and Architecture), as part of the InnoChain European Training Network, funded by the Marie-Curie Work Programme Horizon 2020. The research involves a collaboration with two industrial partners (Design-To-Production and Buro Happold) and focuses on Multi-Scalar, Data Modelling techniques for the design of free-form structures. The list of publications related to this research can be found [here](#) and the thesis itself [here](#).

Master of Science (M.Sc.) ITECH

2013-2015

University of Stuttgart

M.Sc. in Integrative Technologies and Architectural Design Research (ITECH) obtained under the supervision of ICD / ITKE (Institute for Computational Design / Institute of Building Structures and Structural Design) within the Faculty of Architecture and Urban Planning at the University of Stuttgart, Germany. The ITECH programme is a multidisciplinary, research-oriented, experiment-based programme shaped around contemporary aspects of the built environment and practice, during which I have been highly involved in the conception and fabrication of the ICD/ITKE Research Pavilion 2014-15.

International Exchange

Fall 2012

Hong Kong University

Conception of a responsive, adaptive and reusable concrete formwork. Conception and realization of physical concrete prototypes and a full-scale model with its proposed ground intervention (90*90*60cm) for a housing project.

Bachelor's degree in Architecture (B.Arch.)

2010-2013

Ecole Nationale Supérieure d'Architecture de Paris-Malaquais

Digital Knowledge Department

Baccalauréat Scientifique - Abitur (AbiBac)

2010

Französisches Gymnasium

A-level equivalent in France (14,57 - *Mention Bien*) and Germany (1.6) obtained with distinctions.

WORK EXPERIENCE

Research Fellow

Since Mar. 2019

UCL - Bartlett School of Constr. and Proj. Management, London

Research Fellow in Web-based Collaboration in Construction, as part of the [AEC Delta Mobility project](#). Industry partners: BuroHappold Engineering and 3D Repo.

Design Tutor

Since Oct. 2019

UCL - Bartlett School of Architecture, London

Research Cluster 11, Urban Design MArch. (B-Pro)

Visiting Professorship

Dec. 2018

Centro de Estudios Superiores de Diseño de Monterrey, Mexico

Piped Assemblies workshop leader: introduction of computational design and digital fabrication workflows strategies to undergraduate students in architecture.

Researcher

2015-2018

Centre for Information Technology and Architecture, Denmark

In the context of my PhD research, I have been pursuing various secondments within three different companies: Design-to-Production, Buro Happold and McNeel.

Workshop tutor

May 2018

SimAUD, TU Delft

This workshop, based on the Speckle Design Data Exchange Protocol developed at UCL within the InnoChain H2020 programme, aims to stage a high frequency iterative digital design workflow between several stakeholders roles in an architectural office: design, analysis and simulation reporting.

Workshop tutor

Aug. 2015

EASA Links, Malta

Supervision of the conception and construction of a free-form inflatable structure.

Project Intern

Jul. 2014

The Computational Monkeys, Paris

Conception of a parametric and reciprocal bench with Digital Project.

Project Intern

Jan. 2013

International Research Centre of Computational Design, Beijing

Master planning and parametric facade design for a mixed-used residential project.

Project Intern

Aug. 2012

Atelier d'Architecture Chaix & Morel et Associés, Paris

Parametric facade design for a shopping center.

Project Intern

2012

EZCT Architecture & Design Research, Paris

Conception and fabrication of experimental, parametric lattice concrete structures made of UHPC concrete. The final pieces have been exhibited at the Centre Pompidou in Paris.

SKILLS

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| <i>Languages</i> | French (mother tongue) English (fluent: IELTS band 7.0 obtained in February 2015) German (working proficiency: C1 CEFR obtained in May 2010) Danish (notions) |
| <i>Software</i> | Rendering: Photoshop CC, Illustrator CC, InDesign CC, V-ray Computer Aided Video: After Effects CC, Premiere Pro CC CAD: Rhinoceros 6.0 (+ Grasshopper), Autocad, Digital Project Scripting: Python (IronPython and ghPython), C#, Processing Robotics: Kuka (KRL), ABB RobotStudio (RAPID) Electronics: Arduino (notions) WebDesign languages: HTML, CSS, JavaScript WebDesign frameworks: Vue.js, D3.js, Vuetify.js Interoperability Design Software: Speckle |
| <i>Driving</i> | Driving license category B |

CERTIFICATES

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| Robotics <i>Kuka College, Gersthofen</i> Basic Robot Programming Certificate, software version KSS 4.x, KSS 5.x (KRC 2) | May 2015 |
| Engineering <i>Conservatoire National des Arts et Métiers (CNAM), Paris</i> Professional Certificate: Technician in Civil Engineering | 2010-2013 |

SPORT AND LEISURE

Tennis: 14 years' practice at the Tennis Club XII BERCY
Piano: 10 years' practice (intermediate)
Guitar: 2 years' practice (self-taught)
Travel enthusiast, hiking & climbing.