

ZAQI FATHIS

computational designer. architect. researcher

Address : Tawes Raya no 6A, Minomartani, Yogyakarta, Indonesia, 55581
 Phone : +62 [0]878 34207067
 Email : zaqifathis@gmail.com
 Web : http://cargocollective.com/zaqifathis

Born : 25/ 01/ 1989
 Nationality : Indonesia [IDN]
 Language : English [Full professional proficiency]
 Indonesia [Native]

Education **Master of Architecture in Emergent Technologies and Design**
 [thesis commendatiton]
 Emergent Technologies and Design [EmTech],
 Architectural Association School of Architecture,
 2015-2017, London, United Kingdom

Bachelor of Architecture in Architecture and Design
 Department of Architecture and Planning,
 Gadjah Mada University,
 GPA 3.50 of 4.00
 2007-2012, Yogyakarta, Indonesia

Experience **Dorxlab** - Co-founder
 Research laboratory focuses on exploring parametric design through physical and digital computation.
 2011-2015, Gadjah Mada University
 Yogyakarta, Indonesia

Dept. of Architecture and Planning - Research Assistant + Teaching Assistant
 Researcher and designer on projects exploring the possibility using advanced computational design to respond human behaviour and digital fabrication.
 Projects : String of Nature, Augmented Reality, File to Factory
 2012-2014, Gadjah Mada University
 Yogyakarta, Indonesia

HONF Fablab - House of Natural Fibre Fabrication Laboratory - Researcher
 Researcher and designer team on several projects which focusing on integrating computational design models to digital fabrication techniques.
 Projects : B-window displays, Cellular, Diamagnetic Species,
 Kronologidisaster
 2012-2013, HONF Fablab
 Yogyakarta, Indonesia

Budi Pradono Architects - Design Intern
 6 months (August 2010- February 2011)
 Jakarta, Indonesia

Achievement **1st Winner** - "Active_Joint Systems"
 Innovative Wood Joint Competition, ARCHI-DEPOT Corp.
 International Competition
 October, 2017
 Jakarta, Indonesia

Best 30 Indonesian Young Designer
 BEKRAF - Indonesia Creative Economy Agency
 July, 2015
 Jakarta, Indonesia

Skills

3D Modelling - working with NURBS, Mesh, Brep
 Platform : Rhinoceros 5, SketchUp

2D Modelling
 Platform : AutoCad

Parametric Modelling - scripting component
 Platform : Grasshopper, C#, Python
 Generative Component [Weaverbird, Lunchbox, Anemome,
 Hoopsnake, Quelea, Octopus]

Simulation - Live physic-based simulation, robotic, structural and environ
 mental analysis
 Platform : Kangaroo, Ladybug, Karamba, KUKAprc, Firefly,
 Autodesk Flow Design

Model Making
 Hardware : 3d printer - Ultimaker 2
 Laser cutter - Spirit GE-24
 Milling Machine - CnC Router, Shopbot
 Robot - KUKA KR30/60

Rendering
 Platform : Vray for Rhino and SketchUp

Graphic Design
 Platform : Photoshop CC, Illustrator CC, InDesign CC, CorelDraw

Post Production/Video Editing
 Platform : Premiere Pro CC, After Effect CC

Experience Abroad

ISAGA Summer School Program
 "The Future of the Past"
 Ritsumeikan University
 2013, Kyoto, Japan

13th Istanbul Biennial
 "Mom, am I barbarian?"
 As a guest artist - collaborated with HONF [House of Natural Fibre]
 Project : Diamagnetic Species
 2013, Istanbul, Turkey

Outpost39 : Kronologidisaster
 Independence Archive and Resource Centre,
 Singapore

Reference

Dr. Michael Weinstock, RIBA, FRSA
 Director Research and Development
 Director Emergent Technologies and Design
 email : mweinstock@aaschool.ac.uk

