

Christopher J. Malcolm

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Education

Cambridge, MA	Massachusetts Institute of Technology <i>Masters of Architecture, Concentration in Computation</i>	2014
Gainesville, FL	University of Florida <i>Bachelors of Design, Focus in Architecture</i>	2010

Experience

San Francisco, CA	Skidmore Owings + Merrill <i>Architect, Digital Design Specialist</i> <ul style="list-style-type: none">Worked on several projects ranging from various scales (2 airports, government project, towers, master planning, and mixed use) and phases as Architectural Designer. Skilled as a Digital Specialist across all projects providing geometrical expertise, refinements, new tools and scripting in 3D applications such as Revit, Rhinoceros, and more via Python, Dynamo, Grasshopper, and Javascript.	2014-Present
Cambridge, MA	Howeler + Yoon Architects <i>GIS Consultant + Data Visualization Specialist</i> <ul style="list-style-type: none">For a competition in Washington DC, my task was to produce/scrape research on demographics, neighborhood amenities, and use this dataset to produce various visualizations in both ArcGIS, Javascript, Python and Grasshopper for Rhinoceros (3d application).	2014
Cambridge, MA	Arcbazar.com <i>Web Developer</i> <ul style="list-style-type: none">Worked on both front and back end development features. Led several tasks such as social login integration (Linkedin, Facebook), A designer marketplace with Paypal api, and design/aesthetic tweaks. Developed with PHP (Yii) + SQL, HTML, CSS, and Javascript.	2013
New York, NYC Copenhagen, DK	BIG, Bjarke Ingels Group <i>Architectural Designer</i> <ul style="list-style-type: none">Worked on various scales of projects-- Condos in Coconut Grove (FL), Mixed Use + Pier redesign in Chicago, and a tower in Vancouver. Some tasks included conceptual model making, 3d modeling, diagramming, architectural drawings, facade design, structural + material studies, as well as scripting tools for generation of buildings.	2011 -2012
Cambridge, MA	Massachusetts Institute of Technology <i>Assistant for SIGUS, Informal Housing development group.</i> <i>Rapid Prototyping Labs Web developer.</i> <ul style="list-style-type: none">Led a team of students to develop an app prototype in Processing for an educational incremental housing game, teaching the core principles. In tandem as the Rapid Prototyping Labs Web developer, responsible for creating the first online signup calendars for Architecture department at MIT	2010 - 2011

Skills

Fabrication + Hardware	Skilled in Model Building, details, and construction. Fabrication expertise (CNC, gcode, 3d printing). Arduino, Raspberry Pi, Circuitry and prototyping
Computer	Extensive Knowledge in: AutoCAD, Autolisp, Rhino 3D, Vray for Rhino, Grasshopper, Rhinoscript (VB + Python), Processing, Data visualization and mining, SketchUp, Adobe Suite (Photoshop, InDesign, Illustrator), Revit, Dynamo Plugin, Revit Api + PythonRevitShell, ArcGIS + other GIS software, Digital Project
Programming	Experienced in Programming and Web design: Python, Java, PHP, Ruby on Rails, Processing, HTML, JavaScript, SQL databases + LAMP Stack, AJAX, CSS

References

References available upon request