JOHN_BAKER

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Education:

Rensselaer Polytechnic Institute: [Troy, NY]
Bachelor of Architecture [BARCH] :: Economics [Minor] :: 2013
Magna Cum Laude (3.77) :: Dean's List [2008 - 2013]
Semester Abroad, Italy [Politecnico di Torino + University of Arkansas] [2010]

Center for Architecture Science and Ecology, CASE: [NYC, NY]
Joint program between Skidmore, Owings, & Merrill and Rensselaer Polytechnic Institute
to study and research sustainable building technologies. [Graduate Courses] [2011]

Georgetown University: [Washington, DC]
Physics I + Physics II with Labs [4.0 GPA] [Summer 2010]

Stanford University: [Palo Alto, CA]
Programming (Java) and Client-Side Internet Technologies [4.0 GPA] [Summer 2012]

Experience:

Structures II Teaching Assistant:
Teaching Assistant for the culminating structures course in Architecture. [Aug. - Dec.2012]

Olshesky Design Group, LLC.:
Internship experience involving building models, creating drawings, diagramming,
printing plots, carriage house design, and preparing submittals. [Jul. - Aug.2009]

Spring Village Residential Construction:
Construction experience involving referencing architectural plans, framing, door and window fitting, tiling, siding, molding, and basic electrical work. [Sep.2007 – Jun.2008]

Awards:

Pella Prize - Scholarship:
Pella Scholarship for the student whose project demonstrates the most compelling
integration of systems, materials, and technology in the School of Architecture. [May 2013]

Harriet R. Peck Prize - Finalist:
Finalist for the Harriet R. Peck Prize for the Best Solution to a Thesis Project in
Architecture Design. [May 2013]

RPI SOA Project Selection and Archiving

Eagle Scout

Skills:

Modeling + Render: Rhino 3D, MicroStation, Revit, SketchUp, 3D Studio Max, VRay, Maxwell
Graphic Design: Adobe Illustrator CS6, Adobe Indesign CS6, Adobe Photoshop CS6
Parametric Modeling: Grasshopper [Galapagos, Geco, gHowl]
Analysis + Mapping: Ecotect, Risa 3D, Weather Tool, Quantum GIS
Programming: Java, Processing, Matlab, Visual Basic, Arduino
Web Design: Dreamweaver, HTML 5, CSS, Javascript, jQuery
Fabrication: Laser Cutting, CNC Mill, 3D Printing, Power Tools, Hand Modeling
Office: Microsoft Office [Word, Excel, PowerPoint], Submittals, Presentations, Coordination

Activities:

Varsity Ski Team: President [2011 - 2012], Captain [2012 - 2013], Coach [USCSA Nationals 2013]
Intramural Sports: Outdoor + Indoor Soccer [Captain], Ice Hockey, Volleyball
AIAS: Member, Student Mentor
Smart Geometry: Redshirt, "Micro Synergetics" Cluster