

# Joshua M. Abraham

10 Allegheny Center # 616  
Pittsburgh, PA 15212  
607.262.0565  
jma57@cornell.edu

## EDUCATION

### **Bachelor of Architecture with Minor in Music - 2009**

Cornell University - Ithaca, NY  
Semester of Study Abroad in Rome, Italy

## CURRENT WORK

### **Facilities Design Consultant**

Allegheny Center Associates  
Pittsburgh, PA

*January 2010 - present*

Provide in-house design and drafting services to a property management office overseeing a 3.5 million square-foot mixed use office and residential complex in downtown Pittsburgh.

Produce detailed design concepts for numerous renovation projects.

Create comprehensive 3D CAD/Sketchup models for visualizations.

Field-measure existing spaces and provide as-built CAD drawings for leasing and planning purposes, calculate area measurements per BOMA standards.

Review, update and correct errors in existing drawings.

Analyze building code issues and devise potential solutions.

Design office test fit plans for potential tenants.

Produce photographs for marketing purposes.

### **Freelance Jazz Saxophonist**

*2004 - present*

Perform with numerous groups at social and charity events in various cities.

Organize bands and negotiate performance contracts.

## RECENT WORK EXPERIENCE

### **Digital Imaging Assistant**

Cornell University SIMS Ion  
Microscopy Laboratory  
Ithaca, NY

*2007-2010*

Performed quantitative and qualitative image processing and designed related procedures. Co-authored and assisted in preparation of publications and a successful National Institutes of Health R-01 Grant application.

Upgraded and maintained lab computer systems, resolved compatibility issues in transferring data from 20-year-old Macintosh systems to new Windows-based PCs.

## HONORS/AWARDS/PUBLICATIONS

Bronze Award, 19th Annual Koizumi International Lighting Design Competition, for group entry "Light Blanket" (2005).

Studio work ("Proximity Cloud") published in SERVO Design Studio's *Networks and Environments* (Damdi Architectural Publishing, Seoul: 2008).

Digital imaging work for Cornell SIMS Microscopy Lab featured on the cover of the *Journal of Microscopy* (232:1; Blackwell Publishing, Oct. 2008).

Recipient of Cornell Music Department's 2007 Ellen Gussman Adelson Music Scholarship for outstanding performing musicians.

Elected Treasurer (2006) and President (2007) of CU-Jazz student group at Cornell.

Honorable Mention, Seipp Memorial Prize (Third-year design competition) (Fall 2006).

## SKILLS

### *Design and Graphics*

AutoCAD, Sketchup, Revit, Rhino, Maya, Form-Z, Adobe Photoshop, Illustrator, Fireworks, Premiere, InDesign, Inkscape, Kerkythea Renderer.

### *Web Design*

Dreamweaver, HTML and CSS, Flash, PHP, Wordpress.

### *Programming*

Experience with Java, Maya MEL, and PHP scripting.

### *Productivity*

Microsoft Office (Word, Powerpoint, Excel), Open Office suite.

### *Communication*

Excellent writing and proofreading skills, proficient in five languages.

### *Creative*

Drawing (freehand and drafting), model building, painting, printmaking (intaglio and block printing), and photography.

REFERENCES AND PORTFOLIO AVAILABLE UPON REQUEST

UPDATED MAY 2011