

# GERSHON DUBLON

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## EDUCATION

**Yale University**, New Haven, CT

Bachelor of Science in Electrical Engineering (2008)

Strong concentration in music composition, GPA: 3.62

Edward O. Lanphier Memorial Prize in Electrical Engineering (2008)

National Merit Scholarship (2004)

Member IEEE, Yale Dramatic Association

## EXPERIENCE

### **RESEARCH: NETWORKED SENSORS, COMPUTER VISION & IMAGE ANALYSIS, ROBOTICS**

2008-2009 Post-graduate Associate, Embedded Networks and Applications Lab (ENALAB) with P.I. Andreas Savvides, focusing on camera networks, vision, and sensor fusion

2007-2008 *DürerBot*: Fully Autonomous Mobile Robot Painter; senior project in electrical engineering

2007 *Automatic Detection of Eyespots in Butterfly Wings*: an international collaboration with a Yale evolutionary biologist to develop a robust method for feature extraction and analysis of concentric patterns; Prof. M. Silveira, Instituto Superior Técnico, Lisbon, Portugal

### **THEATRE AND DANCE: SOUND & LIGHTING DESIGN, ENGINEERING & ELECTRICS**

2004-2008 Lighting Designer: most recently *A Midsummer Night's Dream* (2007) in the Yale Univ. Theater

2006 Assistant Video Designer: *A Futurist Evening*, Beinecke Rare Book Library at Yale University; collaborating with Professor Matthew Suttor and graduate composers, performers

2005 Lighting Technician: Uchizono Dance Company; Danspace Project, St. Mark's Church

2004 Sound Engineer: International Dance Festival NYC, The Duke on 42<sup>nd</sup> Street; 6-week run

### **MUSIC: COMPOSITION, APPRENTICESHIP, STUDIO RECORDING, PERFORMANCE**

2006-present Recent work includes *semblance*, a large-scale photo compositing interactive installation, on display at the Yale Department of Music; and *The Small Figure 3*, a short piece for bassoon based on the Jasper Johns painting of the same name, performed at the Yale Univ. Art Gallery

2004-2007 Conductor's Assistant: Johannes Somary, music director of AmorArtis and the Cathedral of St. Patrick, NY; coordinated concerts; recorded for Somary and singers; built website

2005 Summer Intern: The Loft Recording Studio/Syndicated Rhythm Productions, New York

### **HUMAN RIGHTS AND ACADEMIC INTERNSHIPS: COMMUNICATIONS, TECHNOLOGY, WEB DEVELOPMENT**

2002 Internship: Human Rights Watch; established contacts with journalists and newsrooms around the world; collected and presented press coverage; assisted web development

2001 Internship: Columbia University Department of Medical Informatics; making key design changes to website, implementing search capability for large medical database

1998-2000 Internship: Women's Commission for Refugee Women and Children; built website, acted as webmaster; oversaw transition to staff webmaster; led training in basic web design

## SKILLS

- *Programming Languages*: C/C++, Matlab, Max/MSP, Processing, VHDL, Lisp, JavaScript, HTML
- *Machine Shop*: CNC Mill, Lathe, MIG/TIG/Gas welding, design and fabrication
- *Software*: Visual Studio, Matlab, Vectorworks, Max/MSP, Photoshop, Final Cut, Pro Tools
- *Audio-visual Production*: Studio recording, live sound, video mixing and projection, lighting design
- *Foreign Languages*: Fluent (native) conversational Hebrew, Spanish, Basic Portuguese