

Yair Korenblit

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J. Erskine Love Building
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EDUCATION

Doctor of Philosophy in Materials Science and Engineering, Minor in Electrical Engineering, Georgia Institute of Technology, Atlanta, Georgia, started August

2006

Bachelors of Science in Materials Science and Engineering, Minor in Electrical Engineering, University of Florida, Gainesville, Florida, December 2005

Coursework

Structure, Stability, Mechanics, Thermodynamics and Phases of Materials
Electronic Circuitry, Properties and Production of Electronic Materials
Engineering in Semiconductors and Compound Semiconductors
Optical Engineering, Laser fundamentals
Fundamentals of Applied Electromagnetics, Modern Physics and Quantum Mechanics
Introductory classes to Electronic, Polymeric, Ceramic and Metallic Materials
Technical Writing and Engineering Economy

SKILLS

Computer Related

C++ programming, Microsoft Word, Microsoft Excel, Microsoft Power Point, preliminary experience with MathCAD, MatLAB, AutoCAD, Pascal, C and PSpice

Languages

English, Hebrew

EXPERIENCE

Georgia Institute of Technology, Atlanta, Georgia, Graduate Research Assistant, Summer 2006-Spring 2006

- Several months worth of training on a Thomas Swan MOCVD system in a class 100 clean-room in addition to ground-level training in a class 10 clean-room on varied instruments used for processing of solid-state electronics and MEMS devices. Experiences include training on MOCVD, AFM, CL, SEM, XRD, maintaining and modifying instrumentation.

National Institute of Material Science, Tsukuba, Japan, and Georgia Institute of Technology, Atlanta, Georgia, Research Fellowship, Summer 2005

- Analysis of the microstructure and porosity in a select group of pressure die-casted magnesium alloys

Georgia Institute of Technology, Atlanta, Georgia, Research Fellowship, Summer 2004

- Characterization of the electronic and mechanical properties of Copper and Silver based conductive adhesives

University of Florida, Gainesville, Florida, Teaching Assistant, Summer 2003

- CGS2425 C++ Programming for Engineers, assisted students in learning the programming language and in preparation of many projects, which applied C++ to engineering problems

University of Florida, Gainesville, Florida, Undergraduate Researcher, Fall 2003

- Synthesized hydrogels as part of research in the field of ophthalmic medicine transmission using contact-lenses as a host matrix

ACTIVITIES AND HONORS

- Steve W. Chaddick Fellowship, Fall 2006-Spring 2007
- Tau Beta Pi (The Engineering Honor Society): Graduate Coordinator, Awards Coordinator, Coordinator of the Abused Women's Shelter Project, Fund Raising Coordinator, since Fall 2004
- College of Engineering Scholarship, Fall 2004
- Materials Science and Engineering Departmental Scholarship, Fall 2002, 2003
- Florida Bright Futures Academic Scholar, 2001-2005