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education

franklin w. olin college of engineering

Candidate for Bachelor of Science in Engineering with a concentration in Design

GPA as of May 2008: 3.78; Received 4-year, full-tuition Olin Scholarship

- *Relevant Coursework includes:* Design Nature, Principles of Engineering*, Engineering of Compartmental and Distributed Systems, Material Science & Solid State Chemistry, 3D Design*, Physics – Mechanics & Electricity and Magnetism, Social Enterprise Management, Health and the Urban Environment. (*currently enrolled)

Needham, MA – May 2011

vienna international school

International Baccalaureate Diploma, ECIS Award for International Understanding

Austria – August 1994 - June 2007

experience

sustainable & user-oriented design

- Investigated environmentally sustainable solutions to the use of polyester lunch trays in Needham publics through user oriented research and life cycle analyses.
- Designed a two-axis solar tracker system for a solar panel, focusing specifically on the control and power-saving algorithms*.
- Explored how a website could be used to meet the needs and serve the interests of the international development community, helping to promote activism and foster discussion about development related topics.
- Lead a group of students who responded to initial user research of 4th grade school children by designing, fabricating and marketing a swimming toy robot manta ray.

Olin Sustainable Design Lab

Fall 2008

Olin College, POE

Fall 2008

Olin Sustainable Design Lab

Spring 2008

Olin College, Design Nature

Fall 2007

computing

- Acted as a technology consultant and performed various network and IT administrative tasks for the the laboratory as it developed and expanded its business.
- Assisted in various engineering projects related to telecommunications and entertainment applications for mobile devices.

Medgen Diagnostic Laboratory

Summer 2008 – Vienna, Austria

Ftw, Telecom. Research Center

Summer 2006 – Vienna, Austria

leadership and activities

olin college

- Student representative for the President's Task Force on Globalization in Education at Olin.
- Founder and CEO of *Varchive*, a tape-to-DVD conversion service based in Needham, MA.
- Co-founder of *Help Computer Services* based in Needham, MA.

Fall 2008

Fall 2008

Fall 2008

vienna international school (vis)

- Chief Layout Editor for the VIS Yearbook, and the student magazine *The Spotlight*.
- Head of the *VIS info screen*, an internal media and news broadcasting system.
- Co-founder and President of the VIS Fair trade club.

2006 – 2007

2005 – 2007

2006 – 2007

social engagement

- Independent research on using creative capitalism to increase the presence of Fair trade in the United States.
- Member of the Olin College SERV (Support, Encourage and Recognise Volunteerism) Board.
- Member of the *Olin College Students for Awesome* umbrella club encompassing the chapters of Olin's various humanitarian, development, and sustainability groups.

Olin College Business Foundry

Fall 2008

Fall 2007

2007 – 2008

skills

- *Computer:* Adobe Creative Suite, LaTeX, Microsoft Office, SolidWorks, MATLAB, Maple, Apple Final Cut Studio and familiar with PTC ProDesktop
- *Machine Shop:* Horizontal Bandsaw, Vertical Bandsaw, Drill Press, Sander, Heat-stake
- *Languages:* Fluent in English and German, conversant in Spanish
- Passionate Percussionist