

Present Address:

550 Memorial Drive, Apt 6A3
Cambridge, Massachusetts 02139
(617) 429-7054

Permanent Address:

583 Pritchards Point Drive
Mount Pleasant, South Carolina 29464
(843) 856-0482

EDUCATION

Massachusetts Institute of Technology, Cambridge, MA *Sept 2004 - present*
Expected: Ph.D. in Biological Engineering

University of Virginia, Charlottesville, VA *Aug 2000 - May 2004*
B.S. in Computer & Electrical Engineering, Minor: Biomedical Engineering
Undergraduate Thesis: *Visualizing Monocyte Transmigration: A step toward curing heart disease*
Honors: Jefferson Scholar, Rodman Scholar, Tau Beta Pi, Dean's List, Omicron Delta Kappa
Key leadership positions: Rodman Council President, Head Resident on the Lawn

WORK EXPERIENCE

MIT Biological Engineering Division, Graduate Research Student *Dec 2004 - present*

- Investigate and model cytoskeleton rheology in cell migration studies
- Advisor: Dr. Roger Kamm

UVA Biomedical Engineering, Research Assistant *Jan 2002 - May 2004*

- Initiated new research direction to investigate leukocyte transmigration
- Awarded UVA's Harrison Undergraduate Research Award to help fund project
- Culminated in an undergraduate thesis exploring project's research and societal impacts

Bain & Company, Associate Consultant Intern *Summer 2003*

- Analyzed audit recovery client's data warehouse to locate performance discrepancies
- Mapped multi-billion dollar US music industry to determine its viability as a client adjacency
- Offered a full time job position to return to the firm based on internship performance

UVA Engineering, Teaching Assistant

- TCC 315 - Invention and Design *Jan - May 2003, 2004*
- CS 201 - Software Development Methods *Aug - Dec, 2002*

Medical University of South Carolina, Research Student *Summers 1999, 2001*

- Initiated new project to investigate adhesion molecule expression in stent models
- Investigated effects of LDL-immune complexes on macrophage metalloproteinase secretion

SPECIAL COURSEWORK

European Summer Study *Summer 2002*

- Conducted research on European internet cafés for the writing of a 10-page thesis
- Studied European Scholars' theologies at the Erasmus-Jefferson Institute in Tuscany, Italy

Bluetooth Special Projects Class *Jan - May 2002*

- Conceived, designed, and implemented a novel animal tracking device using Bluetooth wireless technology
- Applied for and received a provisional patent from the USPTO on final product

EXTRACURRICULAR ACTIVITIES

Biological Engineering Student Board, First Year representative *Nov 2004 - present*
"Dinners with the Dean", Co-coordinator *Oct 2004 - present*

PUBLICATIONS

Huang Y, Song L, Wu S, Fan F, Lopes-Virella MF (2001). *Atherosclerosis*. 156 (1): 119-25.
Huang Y, Fleming AJ, Wu S, Virella G, Lopes-Virella MF (2000). *Arterioscler Thromb Vasc Biol*. 20(12): 2533-8.