

Robert G. Hesse

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School Address: 2113 15th Street Apt. 2 ♦ Troy, NY 12180

OBJECTIVE

To obtain a full time position in the field of biomedical engineering from June 2010 onwards

EDUCATION

Rensselaer Polytechnic Institute (RPI), Troy, NY

Expected Graduation Date: May 2010

B.S. in Biomedical Engineering

GPA: 3.92/4.00

Dean's List (multiple semesters)

Member of Tau Beta Pi

RELEVANT COURSEWORK

- ♦ **Organic Chemistry I & II:** Gained a background in organic molecules and reaction mechanisms.
- ♦ **Human Physiological Systems:** Learned about human anatomy and gained physiological knowledge of organ systems.
- ♦ **Biomechanics:** Gained a background in the physics of dynamic and static systems relating to the human body.
- ♦ **Biomaterials Science:** Gained a background in the science of biological materials (tissues) present in the human body.

WORK EXPERIENCE

Laboratory Technician, Becton, Dickinson and Company

January 2009-Present

- ♦ Mechanical testing of products to determine stability
- ♦ Development of new product technology
- ♦ Technical report and test procedure writing

Research Assistant, Biomedical Engineering Department, RPI

September 2008-December 2008

- ♦ Design and fabrication of fluid flow system
- ♦ Design and fabrication of 3D capillary beds
- ♦ Procedure to ensure proper cell attachment and viability

Teaching Assistant: Human Physiological Systems, Biology Department, RPI

August 2008-December 2008

- ♦ Studio class sessions
- ♦ Grading of weekly quizzes
- ♦ Grading of weekly studio lab reports
- ♦ Office hours to answer questions regarding course material

AWARDS

♦ Rensselaer Mathematics and Science Award

June 2005

♦ Edward J. Bloustein Distinguished Scholar Award

June 2006

LEADERSHIP AND ACTIVITIES

♦ Biomedical Engineering Society – Class of 2010 Representative

September 2008-Present

♦ Student Senate - Committee on Student Life

August 2007-Present

♦ Rensselaer Polytechnic Institute Ambulance (NYS EMT)

August 2006-Present

♦ Rensselaer Fencing Club

August 2006-Present

♦ Clinton Fencing Club

June 2000-Present

COMPUTER SKILLS

NX 4, MATLAB, C Programming, Microsoft Office, Solidworks, Maple Mathematics Program, COMSOL Multiphysics