

Peter A. Frey

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EXPERIENCE

Fire Protection Engineering Intern
Hughes Associates Inc.

January 2013 – May 2013

- Assisted engineers on fire alarm system designs for clients including Denver International Airport, Children's Hospital of Colorado, and the University of Colorado
- Worked on phases of projects including code consulting, plan review, AutoCAD drawing, and fire alarm device testing

Senior Design Project
University of Colorado Department of Chemical and Biological Engineering

Spring 2012

- Partnered with Genentech to design a medium scale monoclonal antibody production plant
- Analyzed economic and environmental benefits of single-use process equipment

Lab Technician

January 2010 – July 2012

INSTAAR Microbial Evolution and Ecology Lab, University of Colorado-Boulder

- Responsible for all operation and maintenance of CHN elemental analyzer
- Performed DNA extractions and PCR amplification of microbial DNA
- Tested pH of various environmental samples
- Kept track of inventory and maintained organization in the lab

Process Design Project
University of Colorado-Boulder, Biochemical Process Synthesis course

Fall 2011

- Used SuperPro to design a production process and facility for a therapeutic monoclonal antibody
- Completed a full engineering and economic analysis of the process
- Worked closely with two other students

EDUCATION

University of Colorado at Boulder

May 2012

B.S. Chemical and Biological Engineering

GPA: 3.40

HONORS AND CERTIFICATIONS

NCEES Engineer-In-Training
Deans List, College of Engineering and Applied Science
National Merit Scholarship

Fall 2011

RELEVANT COURSEWORK

General Chemistry Laboratory I & II
Organic Chemistry Laboratory I & II
Chemical Engineering Laboratory
Biological Engineering Laboratory