Dillon Donohue

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Summary

- · Undergraduate researcher position at the Anseth Research Group
- Involved in synthesis and development of tissue engineering materials to ultimately integrate human cells into the material matrix
- Extensively studied column chromatography, biological kinetics of yeast, and bioreactor design in senior laboratory setting
- · Designed complete biodiesel production facility for senior process design course
- Competed in 2012 AIChE ChemE Car competition and held the position of kinetics lead; awarded "Most Creative Design"
- Engineering relevant software experience includes MS Office, Wolfram Mathematica, Matlab, Aspen Plus, Aspen Hysis, Intelligen SuperPro, and SolidWorks

Education

B.S. in Chemical and Biological Engineering

Expected 2013

Minor in Biochemistry

University of Colorado at Boulder, Boulder, CO

GED 2008

New Hanover High School, Wilmington, NC

Experience

Anseth Research Group, University of Colorado at Boulder

2012

- · Undergraduate researcher
- Worked alongside post-doctoral researcher in the development of materials for tissue engineering applications
- · Trained in tissue culturing
- Individual projects included synthesis of polymer precursors, polymer characterization, and integration of human cells into polymer matrix

Softopper, Boulder, CO

2011

- · Worked in product development, fabrication, and shipping and receiving
- Utilized 2D CAD software for product development and fabrication streamlining
- Trained in operation of drill presses, lathe, and various hand tools

Memberships & Affiliations

- · American Institute of Chemical Engineers
- CU Boulder AIChE ChemE Car team 2011-present
- · University of Colorado Biomedical Engineering Society
- · Full Belly Project