403 Sweetgrass Ave.
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Jasmine Therese Brewer

Objective

To obtain a research position with the Discovery Learning Apprenticeship program.

Academics

University of Colorado at Boulder
Boulder, CO
Dates attended: Fall 2011- Present
Major: Electrical and Computer Engineering
Current GPA: 3.906

Bozeman High School
205 N. 11th
Bozeman, MT, 59715
Dates attended: Fall 2007 – Spring 2011
Cumulative Unweighted GPA: 3.982

Complete Transcripts Available Upon Request

Academic Awards

- University of Colorado at Boulder 2011 Presidential Scholar
- University of Colorado College of Engineering and Applied Science Merit Scholarship Recipient
- Fall 2011 College of Engineering and Applied Science Dean's List Recognition
- Admission to the University of Colorado Engineering Honors Residential Academic Program (EHP)
- Admission to the University of Colorado College of Arts and Sciences Honors Program
- 2010 AP Scholar with Distinction award from the College Board

Specialty Courses

C and Matlab Programming for Electrical and Computer Engineering (2012)

Honors Physics 2 (2012)

- College of Arts and Science Honors Course focused on providing a solid conceptual understanding of physics through mathematical reasoning and derivation.

Experimental Physics (2012)

- Specific focus on data analysis and error control and propagation in experimentation.

Introduction to Digital and Analog Electronics (2011)

- Circuits, Digital Logic, and Boolean algebra. Lab component explored circuit design and debugging and culminated in the design and construction of a digital clock from discrete integrated circuits.

Mathematical background includes Calculus I, II, and III

Work Experience

Colorado Space Grant Consortium
DLC, University of Colorado at Boulder
Boulder, CO 80310
August 2011 – Present (paid employee Spring semester 2012 only)

- Member of 4-person Fall 2011 design team that built an Arduino-run space shield to record flight data, which was successfully launched on a balloon flight in November 2011
- Member of a 5-person Spring 2012 design team conducting revisions on the Fall 2011 project in preparation for its educational use in the Space Grant Consortium's summer 2012 Rock On! Workshop and rocket launch at NASA's Wallops Flight Facility in Virginia
- Individual contribution included design and population of a printed circuit board of sensors and development of the software to interface between the PCB and Arduino.

Northwestern Energy – Corrosion Aide
121 E. Griffin Dr.
Bozeman, MT 59771
June – August 2011

- Worked independently on corrosion protection survey of area natural gas lines. Duties included primarily data collection.

Bobcat Concessions – Student Manager
Montana State University Food Service
Bozeman, MT, 59717
December 2007- September 2009

- Responsibilities included supervision and management, control of money and inventory, food preparation, customer service, and sales.

Technical Experience

Printed Circuit Board and Schematic Design Software

- Altium Designer
- Electronics Workbench

Computer Science/ Programming

- Experience with C, Java, Matlab, and Arduino languages

Through-hole and surface mount soldering experience
Knowledge of graphical software Mathematica and Mathcad

Other Interests

I occupy my spare time playing music, drinking coffee, skateboarding, and backpacking

References

Nick McCarthy
Corrosion Technician, Northwestern Energy
Ph. (406) 570-1873 Email: nicholas.mccarthy@northwestern.com.

Brian Sanders
Deputy Director, Colorado Space Grant Consortium
Ph. (303) 492-5451 Email: brian.sanders@colorado.edu.