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Jasmine Therese Brewer

Objective

My career ambition is to do research in nuclear or plasma physics.

Academics

University of Colorado at Boulder
Anticipated Graduation: May 2015
Major: Engineering Physics
Minors: Mathematics, Computer Science
Current GPA: 3.895

Awards

Presidential Scholar, University of Colorado at Boulder
Merit Scholar, College of Engineering and Applied Science
Dean's List Recognition (Fall 2011-Present), College of Engineering and Applied Science
Engineering Honors Program (EHP), Fall 2011 – Present
AP Scholar with Distinction and National Merit Commendable Student (2010)

Relevant Coursework

Mathematics

- Calculus I, II, III, Differential Equations, Linear Algebra, Probability and Statistics, Discrete Mathematics

Physics

- Physics I, II, Modern Physics, Classical Mechanics and Math Methods I

Computer Science

- Introduction to C and Matlab, Data Structures, Algorithms
- Numerical computation and simulation experience in Mathematica and Matlab

Research Experience

Liquid Crystal Materials Research Center, 2012 – 2013
University of Colorado at Boulder

- Experimental study of the interactions between colloidal particles in liquid crystal fields by means of optical manipulation and video microscopy.

Optical Remote Sensing Laboratory, Summer 2012
NSF Research Experiences for Undergraduates program, Montana State University

- Design and implementation of an optoelectronic system to detect the aurora.

Colorado Space Grant Consortium, 2011 – 2012
University of Colorado at Boulder

- Software and electronics design for a system to record flight data in balloon and rocket launches.

References

Available Upon Request