

Astro Brains

Carrollton, GA • 912-681-5197 • abrains1@my.westga.edu

Career Profile

University of West Georgia student pursuing a degree in Physics. Experience working with laboratory and observatory equipment, including spectrometers. Strong research and analytical skills. Excellent communicator with several years of experience working with diverse populations.

Education

University of West Georgia

Carrollton, GA

Bachelor of Science in Physics

May 2018

- Member, American Physical Society
- Member, University of West Georgia Physics Club
- Sigma Pi Sigma Honors Society inductee
- Recipient of the Atomic Nuclear Scholarship for 2015

Programming and Instrument Expertise

Fortran Pascal Macro-11 Assembly Language

PL-1 Machine Language Forth

Perkin Elmer Sigma 2100 Thermolectron Delphi A & D

Relevant Experience

Physics Department at the University of West Georgia

Carrollton, GA

Research Assistant

January 2017 - Present

- Design and conduct experimental research in nonlinear optics by stimulating Brillouin scattering in organic liquid crystals
- Assist professor with teaching physics labs to up to 20 physics majors per semester
- Prepare laboratory equipment for use in the physics lab and track student use using Microsoft Excel database

Additional Experience

Center for Academic Success at the University of West Georgia

Carrollton, GA

Mathematics Tutor

August 2016 – April 2017

- Educated and explained study techniques for students struggling in mathematics courses in an effort to increase their understanding and grades in College Algebra and Calculus
- Created individualized study plans for each student based on current knowledge level and learning style
- Documented attendance for study sessions using SSC software for retention efforts within Student Affairs

Fix It! Computers

Douglasville, GA

Computer Technician

June 2015 – July 2016

- Conducted troubleshooting techniques to solve computer related problems
- Visited customer homes and businesses to provide computer assistance
- Designed new and custom computer programs as specified by client