

Ijeoma Christine Ekeh

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Education:

Wellesley College

BA - Physics

Expected time of Graduation: **Summer 2012**

Coursework includes: *Principles of Mechanics, Electricity, Magnetism and Optics, Statistical Mechanics & Thermodynamics, Electrodynamics, Modern Physics, Intermediate Quantum Mechanics, Newtonian Mechanics, Calculus I, II, Multivariable and Vector Calculus, Differential Equations, Introduction to Engineering [and several courses at Olin College of Engineering].*

Experience:

Summer 2012

Product Designer

Boston Startup School

Designed theoretical projects, applications and services in the Product Design & Development track at Boston Startup School. Boston Startup school is a program aimed at training and orienting recent graduates into the tech Startup community in the Boston Area.

Spring 2011

Teaching Assistant

Wellesley College Physics & Computer Science Department

Assisted Professor Robert Berg and Franklyn Turbak in a project-based Introductory Engineering course. Assisted students in rapid mechanical prototyping and assembly of LabView Instruments.

Summer 2010

Undergraduate Research Assistant

Conrad Blucher Institute for Surveying Science

Implemented and optimized a hydrodynamic model for Corpus Christi Bay using the Coastal Modeling System (CMS) under Dr. Philippe Tissot at the Conrad Blucher Institute. This research was a part of the Summer Undergraduate Research Focus at Texas A&M University, Corpus Christi. Funded by the NSF and Department of Defense.

August 2009-Present

Student Help Desk/Residential Information Services Consultant

Wellesley College Information Services

Troubleshooting problems concerning various software and A/V problems for students, faculty and staff at the Computing Help Desk and student dorms.

Summer 2009

Undergraduate Research Assistant

Wellesley College Astronomy Department (under Professor Kim McLeod)

Skills:

Experience with CAD (Solidworks, Autodesk Inventor), MatLab, Ds9, CMS/SMS, Microsoft Office (Excel, Powerpoint, Publisher, Word), Adobe Photoshop.

Projects:

Robotic Hand w/ limited ASL capabilities

Small scale, light sensitive firefighting robot

Sisters Empowering Sisters (Partnered with Society for Vagrants and Vagabonds).

References upon request.

Analyzed Hubble Data for Dr Kevin Luhman & Dr. Kim McLeod's search for Brown Dwarfs in the Taurus star forming region during summer of 2009. Their research has been published in the Astrophysical Journal as of March 2010.