Phoebe Stierhoff

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Education

Case Western Reserve Univesity Cleveland, OH, U.S.A.
Bachelor of Science Aerospace Eng., 2011
Cumulative GPA: 3.1/4.00
Selected Coursework:

Aerospace Engineering Propulsion · Combustion · Computers in Mechanical engineering · Fluid and Thermal Engineering II · Mechanical Engineering Analysis · Design of Fluid/Thermal elements · Aero/Gas Dynamics · Flight and Orbital dynamics · Signals and Systems · Modern Physics · Thermo Fluids Heat & Mass Transfer

Astronomy Cosmology and Structure · Galaxies and Cosmology · Stars and Planets

Work History

Bloomberg L.P. - Research and Development (2011 - present)
Financial Software Developer
- Full stack ruby on rails developer for http://www.bloomberg.com
- Worked with http://www.xlike.org/ on creating language-neutral article recommendations for users in Europe and Asia.
- Built a blog curation tool for web editors specific to Bloomberg proprietary architecture
- Designed and built a feed service for news content aggregators and other internal web teams in multiple formats (xml, newsml, rss) and schema requirements.
- Designed and built a shared Ruby on Rails style gem, to standardize styles across the multiple bloomberg web teams.
- Assisted with site and database maintenance.

Case Western Reserve University - Department of Astronomy (2008 - 2010)
Research Assistant
- Assisted design of Spectrographic plates used during the third Sloan Digital Sky Survey (SDSS3) using IDL.
- Worked closely with Professor Paul Harding on analysis of spectrographic images.
- Updated code for SDSS3 guider camera with C and Python.
- Traveled to Apache Point Observatory in Arizona to test guider code and work with collaborators from Princeton.
- Worked with collaborators in California on the SQL database release.

University of South Florida - Materials Science Lab (2006)
Research Assistant
- Worked with Undergraduate students at USF on materials research.
- Performed first-principles density functional studies of cobalt/alumina magnetic tunnel junctions.
- Ran automated simulations using shell scripting.

Temple Terrace Public Library (2005 - 2007)
Librarian's Assistant
- Maintained public access computers and helped patrons with technical problems.
- Worked at main desk and checked books in and out, assisted patrons looking for specific materials.
- Trained new employees and volunteers.

Skills

- Proficiency in software development in Ruby, Python, Javascript, C, C++, Fortran, Matlab, IDL, Java
- Familiarity with Regular Expressions, Database Design, MYSQL, Ruby on Rails, JQuery, D3, SASS and LESS, HTML5, bash scripting, LaTeX

Honors and Awards

- CWRU President's Scholarship
- Dean's Honor list

Other

- Volunteer for FIRST Robotics program in NYC
- Volunteer with New York Parks Department
- Violinist in 92nd Street Y Community Orchestra