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| Term Posted: | 2017 - Summer |
| Date Created: | April 24, 2017 |
| Job Type: | Lab/Research Assistant |
| Application Deadline: | May 19, 2017 11:59 PM |
| Job Posting Information | |
| Work-Study Term: | 2017 - Summer |
| Campus Location: | St. George |
| Work Study Job Title: | Neuroimaging Data Processor |
| Start Date: | 05/30/2017 (start date is negotiable) |
| End Date: | 08/14/2017 (or earlier; end date determined when project is complete) |
| Hours Per Week: | 15-20 hr (minimum 80 hours over 5 weeks, potential for up to an additional 60 hours). |
| Degree/Credential Level: | Undergraduate Student |
| Job Description & Qualifications (Please be detailed): | fMRI, MRI, DTI, and MEG data will be processed and analyzed for the purpose of creating datasets for a student neuroimaging course. You will work on scientific data processing, data analysis, statistical modeling, and data mining. Hired students will specifically: 1) preprocess T1 MRI structural images; 2) preprocess functional data (MEG/fMRI) and/or DTI data; 3) co-register information and localize source activity/water diffusivity values across group averaged data. Skillsets required include: 1) strong knowledge of neuroanatomy and neural function; 2) experience in imaging softwares (i.e.- fsl, Brainstorm, BrainVisa) and/or MATLAB. Experience with Linux and/or computer language knowledge is an asset. All work is computer-based and much can be done on personal laptops from home (8GB RAM memory capacity recommended). Clinical data must be processed on departmental laptops in New College or Ramsay Wright. |
| Select up to 6 of the most relevant anticipated competencies (These are competencies to be gained from this position and will be verified at the end of the term): | <input type="checkbox"/> Critical thinking <input type="checkbox"/> Technological aptitude |

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| This opportunity usually occurs during the following days/hours: | Variable Hours |
| Areas of interest that apply to this opportunity: | Learning & Academic Skills Research Science & Technology |
| Description to appear on the Co-Curricular Record: | The Neuroimaging Data Processor assisted with the processing and analyzing of both structural and functional neuroimaging data for a new, computer-lab-based course in the Human Biology Program. The individual contributed technically to creation of new brain imaging datasets for student learning and course development. |
| Application Information | |
| Application Deadline: | May 19, 2017 11:59 PM |
| Application Procedure: | <p>Please provide a cover letter addressed to Dr. Colleen Dockstader and a CV, and email these to hmb.undergrad@utoronto.ca no later than May 19, 2017 at 11:59 PM</p> <p>Please use the email subject of “Application to Neuroimaging Data Processor” and be sure to include your full name and student number in the email body.</p> |
| Application Material Required: | Cover Letter Resume Student Number (Program Office will provide Transcripts) |
| Division/Department/Unit | |
| Organization: | University of Toronto |
| Division: | Faculty of Arts & Science |