Part-Time Computer Programmer for Neuroscience Laboratory (Linux/SLURM experience preferred)

The Neural Dynamics of Control Laboratory (www.NDCLab.com) within the Center for Children and Families seeks a part-time lab technician with **prior experience using Linux/SLURM high-performance computing (HPC) resources**. Location for the position is flexible: **either on-site in Miami, FL or fully remote**. The initial contractual position is for **10-20 hours per week, at an hourly rate of $20-25/hr**.

The successful candidate will work primarily with Dr. George Buzzell, the lab manager, and other members of the NDCLab, including graduate students and undergraduate volunteers; the role will also collaborate closely with Dr. Jeremy Pettit and the Child Anxiety and Phobia Program. This individual will support the technological infrastructure for a multi-year NIMH R01 grant alongside smaller ongoing lab projects and longer-term visions for the lab. Primary duties include management of the lab's storage and processing queue on a Linux (SLURM) high performance computing cluster, creation and maintenance of appropriate containers/images (Docker/Singularity) for computational reproducibility, and updating of scripts to facilitate data monitoring in a fast-paced research environment. In addition, the role is responsible for converting legacy MATLAB scripts to Python and debugging individual issues associated with script use within the lab. The lab technician supports the lab manager in the technical aspects of onboarding and training new lab members to work efficiently within the lab's technological infrastructure. The NDCLab employs behavioral, neural, and computational tools to understand how the human brain/mind self-monitors and controls itself overtime, understanding how these processes develop and relations to mental health. In conducting this research, we are highly committed to open source and open science initiatives, breaking down traditional barriers to contributing to science and knowledge creation. Our lab technician is pivotal in supporting our open-source infrastructure for scientific collaboration, keeping our data analysis pipelines tidy, and creating technical documentation that makes it easier for anyone to contribute to cognitive neuroscience research.

Required Qualifications: Bachelor's degree (or nearing completion) | Experienced in programming with Python, Git, and Linux/Bash | Very organized and high attention to detail | Tech-savvy and a quick learner of new technologies | Excellent written/oral communication and interpersonal skills | Ability to lead/organize others | Professional, positive, and flexible attitude | Ability to multitask and prioritize, as well as work independently under minimal supervision or as part of a team

Ideal Qualifications: Experience working with Linux (SLURM) high-performance computing environments | Experience with containerization (Docker/Singularity) | Prior experience with open-source projects | Experience with MATLAB and R | Prior experience in a technical support capacity | Experience leading groups | Knowledge of BIDS standards

Applications will be reviewed on a rolling basis. Start date is flexible. The NDCLab is committed to building an inclusive and diverse team of researchers that reflects the world in which we live; therefore, individuals from all backgrounds and identities are highly encouraged to apply.

Initial applications should be submitted directly to Dr. Buzzell (gbuzzell@fiu.edu); however, university regulations require that all official applications be submitted through the Florida International University careers website. Applications not submitted through the FIU website cannot be considered.

To submit a formal application:

1. Navigate to the FIU Careers site: https://hr.fiu.edu/careers/
2. Select "Prospective Employees"
3. Search for job ID "531941"

Please note that not all browsers are compatible with the Careers site. If you cannot load the page, please try another browser.