



Scientific Programmer I (Full time – San Diego - CA)

NanoImaging Services, Inc. (NIS) is a leading provider of cutting-edge electron microscopy services including single particle CryoEM; characterization studies of biopharmaceuticals and vaccines; and microcrystal electron diffraction (MicroED). We are seeking a highly motivated, detail-oriented, innovative scientific programmer interested in a dynamic commercial environment to join our talented team in San Diego, California.

MicroED is a newly emergent structure determination method that is poised to revolutionize drug discovery and development ([Small Molecule Structures: A New World](#)). NIS was recently awarded a Small Business Innovation Research award from the NIH to further develop and better automate our MicroED pipeline, and this position would focus on supporting this effort.

Responsibilities include, but are not limited to:

- Automating and enhancing a data processing workflow that spans several disconnected scientific software packages
- Interfacing with the scientific team to improve and/or develop new interactive software tools
- Integrating these tools to our existing scientific software stack
- Build software tests and documentation while maintaining current/new software
- Developing database applications to organize, record, and track operation workflows
- Building and improving software to run scientific instrumentation and analyses

A successful candidate must have the following qualifications:

- A Bachelor's degree in Engineering or Science discipline and 0-2 years professional programming experience or significant contribution to a software development project.
- Demonstrated knowledge and familiarity in software engineering development principles and architecture, with strong experience in Linux/Unix software development
- Strong programming skills using high level languages. Must have extensive experience in Python, as well as experience in BASH and PHP. Experience in SQL and Javascript is a plus.
- Strong oral and written communication skills, and ability to document code in a manner that is understandable to other technical team members
- User level knowledge of Mac OS X, Unix/Linux, data warehousing
- Familiarity with organic chemistry and/or crystallography is a plus
- Interest in data and image processing in chemistry, biology or other scientific fields
- Demonstrated strong analytical and independent problem-solving abilities
- Self-motivated and able to work in a fast-paced, team-oriented environment
- Must be legally permitted to work in the United States (US Citizen / Permanent Resident)

NIS is a growing company where you can become a part of a close-knit team with opportunities to advance and develop professionally. Interested individuals are encouraged to send a resume, with a cover letter, containing information on their education, employment history, a minimum of three references, and any other relevant achievements related to the above skills to recruiting@nimgs.com.