

Work Study Job Description

Job Title:	Cleanroom Laboratory Research Assistant
Department:	Washington Nanofabrication Facility
Location:	Fluke Hall/Seattle
Remote:	Yes
Pay Rate:	16.39 - 18 / hour
Employment Period:	Academic year
Hours Per Week:	Up to 40 hours per week (Summer)
Contact Supervisor:	Sharon Li
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NATURE OF ORGANIZATION

The Washington Nanofabrication Facility (WNF) at the University of Washington (UW) is a micro and nanotechnology user facility that supports fabrication efforts for basic and applied research, advanced research and development, and prototype production. Recently renovated, WNF maintains an ISO Class 5-7 clean room and is the largest publicly accessible fabrication facility in the region with 15,000 square feet of laboratory, clean room, and user spaces. Users have access to a substantial, and continually updated, array of tools for fabricating novel micro- and nanoscale structures and devices. In addition to offering essential and heavily-used processing capabilities, WNF continually seeks out new expertise in emerging capabilities and areas of specialization. WNF is an integral part of the Northwest Nanotechnology Infrastructure (NNI), which encompasses a collection of fabrication and characterization facilities at UW and Oregon State University.

DUTIES AND RESPONSIBILITIES

The Cleanroom Laboratory Research Assistant's primary responsibility is to ensure the continuity of operations within the Washington Nanofabrication Facility (WNF) in Fluke Hall. Core responsibilities include tracking and stocking inventory of chemicals and supplies, auditing and upkeep of cleanroom specifications and standards, and data entry and record keeping. Assistants who demonstrate aptitude, initiative, and time-management skills will have the opportunity to assist WNF Research Engineers in maintaining, characterizing, and upgrading advanced cleanroom manufacturing equipment as well as establishing and executing common and advanced semiconductor and MEMS manufacturing processes for foundry customers. Independent research, with supervision, is also possible for particularly committed hires. On-the-job training will be provided by staff research engineers, and no previous lab or cleanroom experience is required, though it is desired.

MINIMUM QUALIFICATIONS

- Detail-oriented and safety minded. - Experience in following detailed instructions consistently. - Conducting work independently with minimal supervision upon completion of training. - Strong verbal, written and

electronic communication skills with a demonstrated ability to complete detailed record-keeping and provide technical reporting on a regular basis - General document management skills and experience (Microsoft Office or similar) - Requires 10-20 hours / week commitment but can have flexible schedule Desired: - Competency in chemical and cryogenic material handling or equivalent educational experience (e.g. completion of general chemistry or similar courses) - Experience working in a laboratory setting - Experience handling and working with hazardous chemicals and processes - Experience with project management and directing others

EDUCATIONAL BENEFITS

This opportunity is advantageous to anyone seeking lab experience in engineering and/or physical sciences as well as providing a strong foundation and professional networking opportunities in advanced electronics, nanotechnology, semiconductor, and fabrication related job markets.

HOW TO APPLY

email resume and cover letter to: mhuffm@uw.edu patricns@uw.edu sharonli@uw.edu

Job Number: WANF01 | Category: Science & Health | Program: Federal | Class: 0875 | 51% Comparable to Classified: Y