

Sally M. Jobseeker

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**Education: College of Engineering: Nanofabrication Manufacturing Technology Certificate
Pennsylvania State University University Park, PA May 2013**

The program consisted of safety training, lectures, software based training, fabrication experiments, tool training, material processing training, independent research, team-building evaluating production cost of materials and equipment.

- Equipment/Training included:
 - Dektak 6M profilometer
 - Cooke Vacuum CVE 301 thermal evaporator
 - Veeco Innova AFM
 - Gaertner 1155-8 ellipsometer
 - Leitz Ergolux optical microscope
 - Plasma Therm SLR 720 RIE
 - Zeiss Ultra 55
 - Denton Desktop Pro Sputter Coater
 - Denton Desktop Pro Sputter Coater
 - Denton Desk IV Turbo Sputter Coater
 - Low Pressure Chemical Vapor Deposition
 - Lithography Techniques
 - SPDI UV Exposure tool
 - Microfluidic development and applications
 - Creation of Photovoltaic Cells
 - March Jupiter III RIE
 - Millennium Science Complex (MSC) Class 100 cleanroom

Research Projects:

Nanowires: A Study of Common Materials and Methods of Nanowire Fabrication

The physics, materials, applications of nanowire and the effect of deposition time on the growth of silicon nanowires by the VLS method was researched. Silicon nanowires were synthesized on a silicon substrate using Au catalyst and the average diameters and lengths of the nanowires are determined

Research of Prosthetic Implant with Nanotechnology Applications

A detailed process flow was developed for the use of biocompatibility coatings used in prosthetic implant was completed. This involved research on the materials and techniques and how nanotechnology can be applied to implants

Community College of Philadelphia (CCP)

Philadelphia, PA

Fall 2013

- Associate in Arts (A.A)
- Degree curriculum designed to provide an educational foundation necessary to deal with the complex interrelationships among technical, scientific and societal changes in the modern world
- Coursework included: Physics, Organic and Analytical Chemistry, Advanced Sociology, and Statistics

Work Experience:

Easter Seals of Southeastern PA

Philadelphia, PA

2005-Present

Head Counselor

2007-Present

- Supervise 2-3 Junior Counselors through written evaluations and daily interactions
- Develop and coordinate the educational programming for 10-15 special-needs children at 5-week day camps and one-week residential camps
- needs children and seniors

Junior Counselor

2005-2007

- Provided full-assistance, including quality of life activities, to 2-5 special-needs children
- Maintain activity schedule, including sports, arts and crafts, and sensory improvement skills programs

Extracurricular: Secretary, Chemistry Club at CCP

Activities Member, National Action Network