

Victoria Sadowski

R&D Co-op Engineer - Rex Medical

Oreland, PA - Email me on Indeed: [indeed.com/r/Victoria-Sadowski/a2a9b6786ad877db](https://www.indeed.com/r/Victoria-Sadowski/a2a9b6786ad877db)

WORK EXPERIENCE

R&D Co-op Engineer

Rex Medical - Conshohocken, PA - September 2014 to Present

Design study involving model of femoral artery for 6 month PDLG degradation research

- Assist in mechanical and chemical testing pertaining to closure device
- Write company standard operating protocols and final reports

Research Assistant

Natural Polymers and Photonics Group - Philadelphia, PA - April 2014 to Present

Electrospin natural piezoelectric polymers for cardiovascular drug testing

- Prepare and test cell cultures on scaffolds using nanogenerators
- Assist with SEM and FTIR analysis techniques

R&D Co-op Scientist

Crayola LLC - Easton, PA - September 2013 to April 2014

Provided reformulation on 20 year old essential product

- Proposed and prototyped new toy concepts for core product lines
- Cooperated on teams consisting of multiple departments and companies in several countries
- Presented innovative idea to CEO and leadership team at company's toy share event
- Aided and participated in Toy Fair in New York City

Research Scientist

Energy Materials Group - June 2013 to August 2013

June 2013 - August 2013

- Researched electrospinning of separators for application in supercapacitors
- Produced original formulations and carried out electrochemical cell testing
- Collaborated in diverse group comprised of international researchers

Research Assistant

Drexel University - Philadelphia, PA - September 2012 to June 2013

Researched applications of conductive yarn in wearable technology

- Assisted in automation of resistance testing and conducted primary testing

Intern

Depaul Realty - Blue Bell, PA - June 2012 to December 2012

Showed model houses worth \$800,000 to potential buyers

- Worked as personal assistant to chief financial officer
- Processed financial documents and apartment leases worth \$100,000 on a weekly basis

EDUCATION

Bachelor of Science in Biomedical Engineering

Drexel University - Philadelphia, PA

ADDITIONAL INFORMATION

Skills

Lab Skills: Function Generator, Optical Microscopy, SEM, Raman Spectroscopy, Electrospinning, DSC, FTIR, Nanogenerator, Micro-Vu, Clean Room Training

Operating Systems: Windows [...] Mac Os X

Applications: AutoCAD, MATLAB, Pro/Engineer, ImageJ

Processors: Microsoft Word, Excel, and PowerPoint, iLife, iWork

Relevant Coursework

Dynamic Engineering Systems I, II Physics I, II, III Statics

Chemistry I, II Organic Chemistry I Human Physiology I, II

Mechanical Behavior of Solids I Programming and Modeling I, II The Body Synthetic