

Work Experience

Technical Services (Beaker) April 2011-January 2012

Epic Systems, Madison, WI

- Routinely solved technical problems for large healthcare organization
- Determined root cause of issues and set sustainable solutions and workflows to allow customer to succeed
- Communicated issues and resolutions to internal and team external members of varying technical understanding
- Provided weekly program updates to external CIO during crisis escalation
- Developed small programs to ease and simplify workflows

R&D Associate Scientist I March 2010-January 2011

Life Technologies, Woburn, MA (Temporary Position)

- Routinely prepared coated PCR microarray plates for commercial release and internal use
- Designed and carried out experiments to improve product stability and decrease manufacturing time
- Developed process changes that were implemented
- Presented data at weekly team meetings. Participated in scheduling and experimental planning.

Student Research Fall 2008

Bone Tissue Engineering Center

Carnegie Mellon University, Pittsburgh, PA

- Took part in histological study of effects of PLGA bone graft on osteoconduction
- Presented results at group meeting

Research Internship Summer 2008

Aizenberg Group

Harvard University, Cambridge, MA

- Grew alkanethiol self-assembled monolayers on metal substrates
- Studied effects of the material of these monolayers and substrates on calcite orientation
- Presented results to fellow interns at seminar

Skills

Laboratory

High-pressure liquid chromatography, gas chromatography, scanning electron microscopy, XPS/ESCA, mass spectroscopy, pH testing, organic synthesis, isolation and analysis of compounds, infrared spectroscopy, UV/VIS spectroscopy, atomic absorption spectroscopy, titrimetry, gravimetric analysis, LAL endotoxin testing, histological grossing technique, goniometry

Computational

Microsoft Office, Mathematica, Java programming, Python, Caché/M/MUMPS, Epic Ambulatory, Epic Beaker, Epic Reporting Workbench, Adobe Photoshop

Communication

Experimental design, report writing and presentation, data analysis, project management, executive-level summary

Activities

Epic Upgrade Specialist 2011-2012
Life Technologies Green Team 2010-2011

Merge *as Captain* (Boston Ultimate Frisbee) 2005-2011

Mr. Yuk (Carnegie Mellon Ultimate Frisbee) 2005-2009

Facilitating Opportunities for Refugee Growth and Empowerment (FORGE) 2006-2007

Eagle Scout, Quartermaster, Troop 302, Arlington, MA 2001-2005

Work history continued next page

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Work Experience (cont'd)

Intern Summers 2005-2007

Advanced Magnetics/AMAG Pharmaceuticals,
Cambridge, MA

- Within R&D group (2007), prepared small-scale batches of proprietary nanoscale iron particles
- Analyzed particle size using size-exclusion HPLC
- Designed and executed parametric analysis of the kinetics of formation for these particles
- Performed NMR analysis of human serum samples
- Within QC group (2005, 2006), performed endotoxin testing of water samples, aseptically prepared plates for micro testing, performed simple chemistry analyses on stability samples

Education

B.S. Chemistry May 2009

Carnegie Mellon University

Pittsburgh, PA

Graduating GPA 3.48/4.00

Dean's List: Spring 2008-2009

Graduated *cum laude* from May 2005

Boston University Academy

Boston, MA

References available on request