Michelle A. Hettinger

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Objective

A full time position as a laboratory chemist.

Education

University of Central Florida — Orlando, Fl
Bachelors of Science, Chemistry — May 2015
GPA: 3.7/4.0

Seminole Community College — Sanford, Fl
Associate of Arts, Pre-Engineering — July 2009
GPA: 3.5/4.0

Work Experience

Tutor/Transcriptionist — Orlando, Fl
(Private Lessons) — Oct 2013 – Present

- Taught MS Word on a Mac to a retired chemistry professor and author.
- Transcribed/typed two science history books (now published) as dictated to me by the author.

Inorganic Laboratory Research Assistant — Orlando, Fl
(University of Central Florida, Department of Chemistry) — May 2012 – Jun 2015

- Learned and applied inorganic chemical techniques to study the photocatalytic properties of metal-organic frameworks.
- Performed monthly presentations on the latest developments of my research during group meetings.
- Co-author of at least one peer reviewed journal article.
- Trained an undergraduate to be able to expand upon my project.
- Engaged in intellectual discussions and social activities with lab mates to foster a thriving workplace.

Technical Skills

- Powder X-ray Diffraction, NMR Spectroscopy, X-ray Photoelectron Spectroscopy.
- General organic reaction techniques, such as: TLC to monitor reaction progress, purification by column chromatography, use of rotary evaporator, high vacuum Schlenk line, other purification techniques.
- Use of industrial torch for flame sealing glass tubes. Syringes and needles.
- Handling of cryogenics (liquid nitrogen and dry ice).

- Computer Languages — Python, HTML
- Operating Systems — MS Windows (XP, 7, 10), Ubuntu 14
- Software — MS Office (Word, Excel, PowerPoint), Adobe Photoshop

Awards

- Summer Undergraduate Research Fellowship — Summer 2012
- Florida Pell Grant — 2009 - 2014
- Florida Bright Futures Scholarship — 2007 – 2014

Publication(s)

Clukay, C. J.; Grabill, C. N.; Hettinger, M. A.; Dutta, A.; Freppon, D. J.; Robledo, A.; Heinrich, H.; Bhattacharya, A.; Kuebler, S. M., Controlling formation of gold nanoparticles generated in situ at a polymeric surface. *Applied Surface Science* **2014,** *292*, 128-136.