

## Adam M. Kutnick

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### Job Title

**SUMMARY:** Analytical scientist with four years of experience in high-volume production laboratories. Skilled at evidence analysis, record keeping, and quality control. Experienced in operating various laboratory instruments including LCMS and GCMS. Detail-oriented quick learner that takes initiative. Highly organized, approaching problems in a methodical manner. Seeking continuous improvement with a growth mindset.

### EXPERIENCE:

**Forensic Fluids Laboratories**, Kalamazoo, MI

Jan. 2015 – Apr. 2017

#### *Certifying Scientist*

- Tested oral fluid for the presence of drugs of abuse, therapeutic medications, and their metabolites, using LCMSMS analysis with Waters Xevo TQ-S, Acquity TQD, and Acquity I-Class UPLC
- Prepared approximately 900 samples per day using Solid Phase Extraction
- Contributed to meeting daily deadlines in a fast-paced, high-throughput, CLIA-certified laboratory that processed over 30,000 samples per week
- Performed routine instrument maintenance and other quality control procedures
- Managed sample data and maintained records using Laboratory Information Management System (LIMS)
- Utilized other skills including pipetting, accessioning, adherence to SOPs, time management, laboratory safety, and project planning
- Participated in external lab-wide proficiency testing programs
- Learned about immunoassay screens
- Monitored waste levels and scheduled pickups for disposal

#### **Accomplishments:**

- Submitted plan to reorganize workflow in order to reduce sample run time by optimizing instrument efficiency
- Proposed idea to streamline accessioning, cutting down turnaround time by increasing staff productivity
- Created spreadsheet to track data on reference standards
- Contributed suggestions to improve SOPs

**American Systems**, Chantilly, VA

May 2013 - Dec. 2014

#### *Latent Print Technician*

- Processed and examined evidence associated with Improvised Explosive Devices to develop latent fingerprints and completed over 250 cases
- Prepared detailed laboratory reports which led to actionable intelligence used by DOJ and DHS
- Consulted by teammates to review case notes for formatting accuracy
- Trained 10 colleagues on Henry fingerprint classification method

**United States Secret Service**, Washington, DC Sept. 2012 - Dec. 2012  
*Intern, Forensic Services Division*

- Researched factors affecting a fingerprint powder's ability to develop latent prints on a non-porous substrate
- Analyzed data comparing development quality of multiple powders

**Ohio State Fire Marshal Forensic Laboratory**, Reynoldsburg, OH June 2012 - Aug. 2012  
*Intern*

- Learned how to analyze fire debris evidence for the presence of flammable chemicals using GCMS
- Assisted supervisor with casework including preparation and testing of ~10 samples per day
- Followed quality control procedures such as daily testing of standards and positive/negative controls, and took steps to prevent sample contamination

**Catholic University of America**, Washington, DC Aug. 2011 - Dec. 2012  
*Teaching Assistant, Department of Chemistry*

- General Chemistry Lab - Supervised, instructed, and assisted 30 undergraduates
- Chemistry for Nurses Lab – Mentored, taught, and supported 14 undergraduates
- Analytical Chemistry Lab - Assisted instructor, prepared solutions for use in experiments

## **EDUCATION:**

**The George Washington University**, Washington, DC Aug. 2011 - Jan. 2013  
*Master of Forensic Sciences, Forensic Chemistry Concentration*

- Courses included Criminal Law (Moot Court), Medicinal Chemistry, Forensic Chemistry, Trace Evidence Analysis, Firearms/Toolmark Identification, Examination of Questioned Documents

*Bachelor of Science, Chemistry, Magna Cum Laude* Sept. 2007 - May 2011

- Phi Beta Kappa Honors Society
- Chemistry Dept. prize for best-in-class comprehensive chemistry exam score
- Courses included Organic and Inorganic Chemistry, Physical Chemistry, Quantitative Analysis, Instrumental Analysis

## **PROFESSIONAL TRAINING:**

- Maintaining ACQUITY UPLC Systems (Waters Corporation) Dec. 2, 2016
- Operation of ACQUITY UPLC Systems (Waters Corporation) Nov. 30 – Dec. 1, 2016
- TQD Operation Training (Waters Corporation) Oct. 20-23, 2015
- Midwest Association for Toxicology and Therapeutic Drug Monitoring Annual Meeting Apr. 9-10, 2015
- LC/MS/MS in the Clinical Laboratory: Current Considerations (Waters Corporation) Mar. 4, 2015

## **MEMBERSHIPS:**

- Midwest Association for Toxicology and Therapeutic Drug Monitoring (MATT) 2015 - Present