

# Amanda N. Hayes

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## Education

**Virginia Commonwealth University** Richmond VA ♦ Graduated August 2016

Master of Science in Forensic Science ♦ Concentration in physical evidence

**Cedarville University** Cedarville, OH ♦ Graduated August 2013

Bachelor of Science in Forensic Science ♦ Minors in Criminal Justice and Bible

## Relevant Coursework

**Virginia Commonwealth University:** Instrumentation in Forensic Chemistry, Forensic Microscopy, Analysis of Patterned Evidence, Forensic Evidence and Procedures, Scientific Crime Scene Investigation, Advanced Scientific Crime Scene Investigation, Firearm and Toolmark Identification, Forensic Analysis of Paint and Polymers

## Research

**Forensic Science Department, Virginia Commonwealth University**

September 2015-May 2016 ♦ Supervisor: Eric Hazzelrigg

- ♦ Analyzed 12 different samples of hair dye, 4 brands and 3 shades, using Accurate Mass Time of Flight Mass Spectrometry coupled with a Direct Analysis in Real Time ion source (AccuTOF-DART) to determine if shade/color and brand could be differentiated on human hair.

**Michigan State Police, Northville Lab, Trace Department**

May 2013-August 2013 ♦ Supervisor: Jennifer Nischan

- ♦ Created a statewide verified database from the MicroTrace<sup>®</sup> fiber samples to be used with the FTIR; watched and assisted with ongoing cases in the department at the time of the internship.

## Technical Skills

### Computer:

- ♦ Familiar with Adobe Indesign CS6, Adobe Photoshop CS4-6, high quality video and photo equipment
- ♦ Familiar with SICAR (Shoeprint Image Capture and Retrieval)

### Laboratory:

- ♦ Familiar with GCMS, FTIR, UV-Vis, Spectrophotometer, GC, DART, Comparison Microscopes, Polarized Microscopy

## Employment

**Virginia Commonwealth University**

Forensic Science Department Office Assistant ♦ December 2015-June 2016

- ♦ Keep updated files on all graduate student directed research projects; organize and redesign graduation presentation and program as needed; foster communication both inside and out of department as needed; digitize all paper files, including FEPAC accreditation files.

**Cedarville University**

General Chemistry Laboratory Assistant ♦ August 2011-December 2011, August 2012-December 2012

- ♦ Set up any and all equipment required before weekly labs; made up or mixed any solutions, reagents or unknowns needed.

## Professional Associations

**American Academy of Forensic Sciences**

Student Member, Criminalistics Department