

# ASHLEY F. CULLEN



## FORENSIC SCIENTIST

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Highly motivated Forensic Scientist with a Doctoral degree and a proven track record in conducting comprehensive forensic analyses. Possesses strong analytical skills, attention to detail, and a commitment to delivering accurate and reliable results.

### EXPERIENCE

June 2020 - Now

Forensic Scientist

California Department of Justice / United States, Sacramento, CA

- Conduct analysis on various types of evidence including DNA, fingerprints, firearms, and trace evidence.
- Utilize advanced techniques such as DNA sequencing, mass spectrometry, and chromatography for evidence examination.
- Prepare detailed reports documenting findings and interpretations, and present results in court as an expert witness.

August 2016 - May 2020

Forensic Analyst

Federal Bureau of Investigation (FBI) / United States, Washington, D.C.

- Conducted forensic analysis on evidence including DNA, fibers, and digital media.
- Participated in crime scene investigations and evidence collection procedures.
- Provided expert testimony in court proceedings.
- Collaborated with federal, state, and local law enforcement agencies on joint investigations.

January 2015 - May 2016

Forensic Intern

Los Angeles County Sheriff's Department / United States, Los Angeles, CA

- Assisted forensic scientists in analyzing evidence in various criminal cases.
- Participated in laboratory experiments and evidence processing.
- Prepared reports and documentation of findings.
- Attended court proceedings and observed forensic expert testimony.

### EDUCATION

June 2016 - May 2020

Doctor of Philosophy  
(Ph.D.) in Forensic  
Science

University of California / United States, Davis, CA

July 2014 - May 2016

George Washington University / United States, Washington, D.C.

Master of Science (M.S.)  
in Forensic Science

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April 2010 - May 2014

George Washington University / United States, Washington, D.C.

Bachelor of Science  
(B.S.) in Chemistry

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**SKILLS**

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Evidence Collection	Expert	Laboratory Analysis	Expert
Crime Scene Reconstruction	Expert	Firearm and Toolmark Identification	Expert
Bloodstain Pattern Analysis	Expert	Forensic Computing	Expert
Toxicology	Expert	DNA Analysis	Expert

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**PUBLICATIONS**

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- Cullen, A. F., Smith, J. D., & Johnson, R. L. (2021). "Advancements in DNA Analysis: Implications for Forensic Investigations." *Journal of Forensic Science*, 45(2), 123-135.
  - Smith, J. D., Cullen, A. F., & Brown, K. M. (2019). "Application of Mass Spectrometry in Trace Evidence Analysis." *Forensic Chemistry Review*, 10(3), 210-225.
  - Cullen, A. F., Johnson, R. L., & Garcia, M. A. (2018). "Recent Developments in Forensic Toxicology: Challenges and Opportunities." *Journal of Analytical Toxicology*, 35(4), 301-315.
  - Brown, K. M., Cullen, A. F., & Smith, J. D. (2017). "Advances in Fingerprint Analysis: From Traditional Methods to Emerging Technologies." *Journal of Forensic Identification*, 22(1), 56-68.
  - Cullen, A. F., Garcia, M. A., & Johnson, R. L. (2016). "Integration of Forensic Science and Criminal Justice: A Review of Current Practices and Future Directions." *Forensic Science Policy and Management*, 8(2), 89-102.
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**CONFERENCES**

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Academy of Forensic  
Sciences (AAFS) Annual  
Meeting - 2020

Chicago, Illinois

Presentation Title: "Recent Advances in DNA Analysis Techniques for Forensic Investigations"

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International  
Symposium on  
Forensic Science - 2019

Sydney, Australia

Presentation Title: "Applications of Mass Spectrometry in Forensic Toxicology: Case Studies and Challenges"

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European Academy of  
Forensic Science (EAFS)  
Conference - 2019

Krakow, Poland

Presentation Title: "Integration of Forensic Science in Criminal Investigations: Best Practices and Future Directions"