**MARK HALL**

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# **EDUCATION**

Marshall University - Huntington, WV

**M.S. in Forensic Science** Graduation - May 2021

GPA: 3.69

Wheeling Jesuit University - Wheeling, WV

**B.S. in Biology** Graduated - May 2019

GPA: 3.2

# EMPLOYMENT

Vandalia Research, Inc. - Huntington, WV

**DNA Production Technician II** September 2019 – November 2020

* Performed the necessary biotechnical laboratory procedures (polymerase chain reaction DNA amplification, agarose gel DNA qualitation, Agilent 2100 DNA quantitation, DNA product collection) to produce large-scale, human-standard DNA specimens for the research/commercial market

**MtDNA Technician 1** January 2018 – September 2019

Armed Forces DNA Identification Laboratory - Rockville, MD

* Processed post-PCR mitochondrial DNA casework, including (but not limited to) agarose gel DNA quantitation, cycle sequencing and purification of non-criminal U.S. military DNA specimens, and sample analysis via ABI 3130xl Genetic Analyzers )

## INTERNSHIP

Forensic Science Center - Marshall University, Huntington, WV

**CODIS Laboratories** May 2017 – August 2017

* Validated ABI 3100 Genetic Analyzer according to DAB and FBI quality assurance guidelines
* Conducted DNA extraction, quantitation, and amplification with Qiagen QIAmp mini kit, ABI AmpF/STR Profiler Plus, Cofiler, and Identifiler primer kits for CODIS loci and ABI 3100 capillary electrophoresis genetic analysis
* Analyzed DNA quantitation via Quantiblot analysis
* Utilized GeneMapper ID analysis software
* Conducted general duties; weekly laboratory cleaning and record keeping

### SKILLS

* Solid experience in basic laboratory instrumentation and methods
* Knowledge of basic laboratory operation and procedure, i.e. evidence collection/handling, chain of custody requirements, documentation procedures and quality assurance issues
* Knowledge of DNA analysis procedural methods, including isolation and identification
* Thorough knowledge of Microsoft Windows operating systems for personal computers, and basic knowledge of other computer software applications
* Detailed working knowledge of accurate record keeping procedures