

DNA Profiling Internship Topics

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Active Categories

5
Focused Areas

Internships
Internships

DNA Profiling Internship Categories

AI Forensic DNA Analysis Research https://internships.nthrys.com/dna-profiling/ai-forensic-dna-analysis-research	Machine Learning STR Profiling Research https://internships.nthrys.com/dna-profiling/machine-learning-str-profiling-research
AI Mixture Interpretation Research https://internships.nthrys.com/dna-profiling/ai-mixture-interpretation-research	AI Kinship & Relationship DNA Research https://internships.nthrys.com/dna-profiling/ai-kinship-relationship-dna-research
AI Phenotypic DNA Prediction Research https://internships.nthrys.com/dna-profiling/ai-phenotypic-dna-prediction-research	AI Environmental DNA Forensics Research https://internships.nthrys.com/dna-profiling/ai-environmental-dna-forensics-research
AI Low-Template DNA Analysis Research https://internships.nthrys.com/dna-profiling/ai-low-template-dna-analysis-research	AI Genetic Genealogy Research https://internships.nthrys.com/dna-profiling/ai-genetic-genealogy-research
AI DNA Database Policy Research https://internships.nthrys.com/dna-profiling/ai-dna-database-policy-research	AI Next-Gen Forensic Sequencing Research https://internships.nthrys.com/dna-profiling/ai-next-gen-forensic-sequencing-research
Mitochondrial DNA Sequencing Protocol Development https://internships.nthrys.com/dna-profiling/mitochondrial-dna-sequencing-protocol-development	Y-Chromosome Haplogroup Classification Research https://internships.nthrys.com/dna-profiling/y-chromosome-haplogroup-classification-research
Autosomal DNA Degradation Pattern Analysis https://internships.nthrys.com/dna-profiling/autosomal-dna-degradation-pattern-analysis	SNP Panel Development for Ancestry Inference https://internships.nthrys.com/dna-profiling/snp-panel-development-for-ancestry-inference
Forensic DNA Database Contamination Detection https://internships.nthrys.com/dna-profiling/forensic-dna-database-contamination-detection	Touch DNA Recovery Optimization Techniques https://internships.nthrys.com/dna-profiling/touch-dna-recovery-optimization-techniques
Capillary Electrophoresis Troubleshooting and Validation https://internships.nthrys.com/dna-profiling/capillary-electrophoresis-troubleshooting-and-validation	Population Frequency Database Construction Research https://internships.nthrys.com/dna-profiling/population-frequency-database-construction-research
Epigenetic Markers Age Estimation Study https://internships.nthrys.com/dna-profiling/epigenetic-markers-age-estimation-study	Mixture Ratio Deconvolution Algorithm Development https://internships.nthrys.com/dna-profiling/mixture-ratio-deconvolution-algorithm-development
Cold Case DNA Analysis and Evidence Screening https://internships.nthrys.com/dna-profiling/cold-case-dna-analysis-and-evidence-screening	Wildtype Allele Frequency Validation Study https://internships.nthrys.com/dna-profiling/wildtype-allele-frequency-validation-study
Forensic Serology and DNA Correlation Analysis https://internships.nthrys.com/dna-profiling/forensic-serology-and-dna-correlation-analysis	Sexual Assault Kit DNA Processing Protocol https://internships.nthrys.com/dna-profiling/sexual-assault-kit-dna-processing-protocol
Wildlife Trafficking DNA Identification Project https://internships.nthrys.com/dna-profiling/wildlife-trafficking-dna-identification-project	Paternity Testing Reference Standard Development https://internships.nthrys.com/dna-profiling/paternity-testing-reference-standard-development
Microbial Contamination Detection in DNA Samples https://internships.nthrys.com/dna-profiling/microbial-contamination-detection-in-dna-samples	Forensic DNA Evidence Chain of Custody Study https://internships.nthrys.com/dna-profiling/forensic-dna-evidence-chain-of-custody-study
Rapid DNA Technology Field Application Testing https://internships.nthrys.com/dna-profiling/rapid-dna-technology-field-application-testing	Ancient DNA Extraction and Analysis Methods https://internships.nthrys.com/dna-profiling/ancient-dna-extraction-and-analysis-methods
Cross-Contamination Prevention Laboratory Design https://internships.nthrys.com/dna-profiling/cross-contamination-prevention-laboratory-design	Partial STR Profile Interpretation Guidelines https://internships.nthrys.com/dna-profiling/partial-str-profile-interpretation-guidelines
International DNA Database Compatibility Study https://internships.nthrys.com/dna-profiling/international-dna-database-compatibility-study	Body Fluid Identification Using DNA Markers https://internships.nthrys.com/dna-profiling/body-fluid-identification-using-dna-markers

Familial DNA Search Protocol Evaluation https://internships.nthrys.com/dna-profiling/familial-dna-search-protocol-evaluation	DNA Degradation Time Course Prediction Model https://internships.nthrys.com/dna-profiling/dna-degradation-time-course-prediction-model
Forensic DNA Laboratory Accreditation Standards https://internships.nthrys.com/dna-profiling/forensic-dna-laboratory-accreditation-standards	Biological Fluid Stain Age Estimation Research https://internships.nthrys.com/dna-profiling/biological-fluid-stain-age-estimation-research
Secondary Transfer DNA Evidence Assessment https://internships.nthrys.com/dna-profiling/secondary-transfer-dna-evidence-assessment	Quality Control Blank Sample Protocol Design https://internships.nthrys.com/dna-profiling/quality-control-blank-sample-protocol-design
STR Allele Nomenclature Standardization Study https://internships.nthrys.com/dna-profiling/str-allele-nomenclature-standardization-study	Juvenile DNA Profile Expungement Research Project https://internships.nthrys.com/dna-profiling/juvenile-dna-profile-expungement-research-project
Forensic DNA Interpretation Training Program Development https://internships.nthrys.com/dna-profiling/forensic-dna-interpretation-training-program-development	Environmental DNA Source Attribution Analysis https://internships.nthrys.com/dna-profiling/environmental-dna-source-attribution-analysis
Forensic DNA Expert Testimony Validation Study https://internships.nthrys.com/dna-profiling/forensic-dna-expert-testimony-validation-study	Multiplexing Strategy Optimization for STR Analysis https://internships.nthrys.com/dna-profiling/multiplexing-strategy-optimization-for-str-analysis
Forensic DNA Cost-Benefit Analysis Research https://internships.nthrys.com/dna-profiling/forensic-dna-cost-benefit-analysis-research	Post-Mortem DNA Profile Degradation Patterns https://internships.nthrys.com/dna-profiling/post-mortem-dna-profile-degradation-patterns
Non-Invasive DNA Collection Method Validation https://internships.nthrys.com/dna-profiling/non-invasive-dna-collection-method-validation	Forensic DNA Report Template Standardization https://internships.nthrys.com/dna-profiling/forensic-dna-report-template-standardization

DNA Profiling Internship Topics and Focused Areas

AI Forensic DNA Analysis Research

- Machine Learning Model Development for DNA Sequence Classification
- Automated STR (Short Tandem Repeat) Analysis and Pattern Recognition
- Contamination Detection and Data Quality Assessment in Forensic Samples
- Database Matching Algorithms and Population Statistics Analysis
- Deep Learning for Next-Generation Sequencing (NGS) Data Interpretation

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