# CSE 494/594 Algorithms in Computational Biology Project Proposal

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#### 1 Introduction

#### 1.1 Overview

Introduction of project

#### 1.2 Background

Topic background information and what's been done

- Forensic identification based on DNA
- mtDNA (Amorim et al.), HLA, DIP-STR (Kuffel et al.)

### 2 Motivation

Why is this project important:

• Need for improvements in the field of forensic identification

## 3 Methods-Approach?

- Genome Analysis Toolkit Best Practices Pipeline pdf by Van der Auwera et al. (2013)
- Innovation of our approach is combining mtDNA and HLA (DIP-STR method).