# Seshat, Democratizing Public Records

Rudhra Raveendran, Noah Huppert, Jinghu Lei, Charles Ma

January 21, 2018

## 1 Introduction

The purpose of Seshat is to decentralize public records which are managed by a trusted authority, or middleman, and give the power of records back to those who own them. With our open source, blockchain-based design, Seshat keeps track of public records with no fear of inaccuracy, as records are continuously verified by miners. This allows students and educational institutes to break away from middlemen who attempt to suck money out of both sides of the equation.

## 2 How It Works

All information stored is initially input by a verified organization, such as the site at which a test is held, or the school that a student is attending. Once input, the information is continuously verified by the public ledger, guaranteeing the validity of the information forever. Additionally, to maintain the format of standardized tests, tests can be distributed with smart contracts. This allows for the tests to only be done at a certain time, and guarantees the accuracy of the scores for each person due to the public ledger.

## 3 Why Use Seshat

Even with a middleman like CollegeBoard and their CommonApp out of the way, students and higher-education institutes can enjoy verified and secure records for use at their own disposal. Seshat stores anything and everything, from standardized test scores to college essays, and verifies everything with smart contracts, getting rid of centralization and validating the input. The internet is filled with people who are dissatisfied with CollegeBoard's monopolization of AP exams and college applications, yet they are left with no choice but to use their service due to lack of others. Seshat offers the exact same service, all the while maintaining the security and verifiability that CollegeBoard offers, at a drastically reduced price and with more credibility. With Seshat, we will give one's records back to its rightful owner.