

This article examines the application of Fully Homomorphic Encryption (FHE) in the Maximal Extractable Value (MEV) space. Our approach allows searchers to blindly backrun user transactions using FHE. This prototype demonstrates how a searcher can compute the future price of a UniswapV2 pool over a user transaction, keeping it encrypted throughout the process. Although this method is not currently practical for deployment, it serves as a foundation for future improvement and expansion, which we discuss in the conclusion.