

# PTFI Website Research Report – Enveil

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## Overview

This research report is about the company Enveil (<https://www.enveil.com/>), which offers products focused on protecting data “in use”; data that is in flight (ie, travelling across networks) or being processed.

Enveil is headquartered in Maryland, USA, and currently has approximately fifty employees.

Website: <https://www.enveil.com/>

## Services

Enveil’s products are decentralized enabling the secure sharing of data between entities, such as between organisations.

The two products that Enveil offers are:

- ZeroReveal Search
- ZeroReveal Machine Learning

These products are the only services Enveil offers.

ZeroReveal Search enables searching, analysing, cross matching data without revealing the content of the data itself using a client – server-based architecture.

ZeroReveal Machine Learning utilises privacy enhancing technologies such as homomorphic encryption to provide encrypted evaluation of data and the encrypted federated training of machine learning models.

## History

Enveil was founded in 2016 by Dr. Ellison Anne Williams.

Alongside other contributors of EY, BAE Systems, Refinitiv, HSBC, Barclays and ING in 2019, Enveil contributed to a solution named Neighborhood Watch which won second prize at Techsprint by Financial Conduct Authority. Neighborhood watch is a solution supporting know your customer (KYC) queries to be made among banks using homomorphic encryption.

In 2020 Enveil was awarded a Technology Pioneer award by the World Economic Forum for its contributions to data privacy and security.

In 2021 Enveil:

- Received the Frost & Sullivan Global Technology Innovation Leadership Award for its ZeroReveal solutions.

- Was listed as a Regtech100 company.
- Won an award at A-Team Innovation Awards 2021 for Most Innovative KYC investigation and due diligence.

Apart from information on Crunchbase regarding funding rounds there is not much other information on the company's history which is publicly available.

## Competition

Among Enveil's competitors are:

- Desilo
- Sotero
- Protopia AI
- Baffle
- Vaultree
- Duality Technologies
- Inpher
- Tonic

Duality Technologies is a company the PTFI Web Development team have priorly identified as a company to research, though it has not yet been completed.

## PTFI Ability to Replicate

Regarding what Enveil offers PTFI can replicate its use of homomorphic encryption, though their solutions may be far more performant as they have very likely optimised algorithms which have not been made publicly available.

The sheer scope of their solutions supporting the federated access of data between organisations is not likely for PTFI to emulate due to the great amount of effort involved, but it would be feasible were the resources available.