

# MAX EFREMOV

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## SUMMARY of KEY QUALIFICATIONS

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- Enrollment specialist and evangelist for a decentralized future with a background in economics, markets, & blockchain technology
- Data scientist and machine learning engineer with cross-functional end-to-end data science and software development experience

## EXPERIENCE

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### Max Yields, Metaverse

April 2021 – Present

*Founder and CEO*

A cohort-based crypto and decentralized finance course educating the next generation in the use of crypto and decentralized finance

- Empowered 100s of people to date through consultations, coaching, and on-demand video courses to take advantage of alternative investments in the decentralized world resulting in returns at a baseline of 20%, frequently far in excess, a year

### IDEAL Immigration, Austin, TX

March 2021 – September 2021

*Executive Director*

IDEAL Immigration is a transformative initiative in improving America's socioeconomic well-being through immigration reform

- Enroll US senators and representatives in IDEAL's signature legislative efforts of doubling legal immigration
- Responsible for the overall management, day-to-day operations of a 501(c)(3) nonprofit organization

### Amplity Health, Remote

August 2020 – April 2021

*Data Scientist and Machine Learning Engineer*

Sole developer of core machine learning-powered features of Amplity's *Xplore*, a proprietary data platform for interacting with 100 million patient medical records

- Deployed state of the art natural language processing (NLP) and information retrieval (IR) algorithms to extract critically useful data from billions of unstructured text files that power over 30 features in Amplity's *Xplore* data platform for use in health outcome research and pharmaceutical commercialization
- Served as lead technical resource and solutions architect for *Xplore* while onboarding and licensing first 15 pharmaceutical clients to platform, setting up a \$3 million licensing opportunity for 2021

### Center for Advanced Defense Studies, Washington, DC

January – March 2020

*Data Science Technical Consultant, SanctionsExplorer*

Led development of machine learning-featured search engine with analytics-visualization greenfield web application on cross-functional team that provides information pertaining to internationally-sanctioned entities from 100s of government agency databases and reports

- Developed web-crawling, natural language processing (NLP) and named entity recognition (NER) model; features include probabilistic entity extraction from narrative-style, unstructured text; responsible for 15% recall improvement
- Continuously tested, persistently deployed, routine automatic updating; hosted as full-stack web application with RESTful data science API on spaCy, Flask, and AWS infrastructure

### AmeriCorps National Civilian Community Corps, IA, NE, MI, IL

*Field Team Leader*

January 2014 – November 2014

Led a highly diverse team of 9 young adults in a year-long federal, national community service program throughout American Midwest

## EDUCATION

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### Lambda School, remote

June 2020

*Data Science Fellow*

A 9-month, 1,600+ hour data science and software development program with a concentration in statistics, machine learning and real-world model development, validation, and deployment

- Sample of Real-World, Cross-Functional Projects
  - Consumer credit-scoring algorithm ◦ NLP web search tool ◦ Content-based song recommender ◦ Image classification applications ◦ static and dynamic web pages ◦ AI Twitter application that predicts user origin of any inputted tweet
- Data Engineering and Infrastructure
  - Data Mining & Wrangling ◦ APIs ◦ SQL ◦ Data cleaning ◦ Databases ◦ Amazon Web Services (AWS) ◦ GitHub
- Machine Learning and Advanced Prediction
  - Natural Language Processing ◦ Neural Networks ◦ CNNs for computational imaging ◦ XGBoost and ensemble learning

### Towson University, Baltimore, MD

May 2019

*Bachelor of Science in Economics* cum laude; honors college

- Member of Honors College; GPA 3.84, Dean's List every semester; studied abroad at Yonsei University in Seoul, South Korea
- Econometrics, Statistics, Computational Economics, Macroeconomic Theory, Microeconomics, Money & Banking, Finance