

# Eole Cervenka

## Machine Learning Engineer

### Experience

- 06/2022-10/2024 **Machine Learning Engineer, *lambda.ai*.**
- Built and optimized the LLM pipeline for an AI-generated news site ([news.lambda.ai](#))
  - Developed GenAI model benchmarks, including an inference benchmark for Stable Diffusion cited by Google Research in the Muse paper
  - Published Stable Diffusion finetuning demos on Hugging Face
  - Conducted 8 technical interviews, contributing to hiring decisions for ML engineering team growth
- 06/2022-12/2023 **Machine Learning Consultant, *Deep Voodoo*.**
- Led the transition of a deepfake research pipeline into a scalable, production-ready system deployed in high-profile Hollywood projects
  - Improved the robustness and deployment speed of the pipeline by versioning and containerizing model training
  - Led R&D projects in image restoration, facial detection for non-human faces and image generation with controllable camera angle
- 06/2019-07/2021 **AI Software Engineer, *Boston Consulting Group*.**
- Built end-to-end data pipelines using PySpark, Pandas
  - Productionized and deployed data applications across diverse client infrastructures, including bare-metal, GCP, AWS, and Azure
  - Built a CI/CD pipeline using JFrog to let consultants self-deploy cloud-based coding environments by submitting a Dockerfile via a frontend interface
- 10/2018-04/2019 **Data Scientist, *Prazely*.**
- Built a content-based recommender system for an e-commerce website using a graph database backend (Neo4j)
- 05/2018-09/2018 **Research Scientist, *Orange Telecom*.**
- Benchmarked a parameter-free time series classifier against existing models
- 07/2016-09/2017 **Python Developer, *Stealth Startup*.**
- Built a Twitter data analytics web app using Flask
  - Implemented unsupervised NLP techniques and graph queries to identify topics and communities of users

### Education

- 2017-2018 **M.S. in Mathematics and Computer Science, *Université Paris Dauphine - PSL*.**
- 2015-2016 **M.B.A., *Bentley University*.**
- 2011-2014 **M.S. in Business Administration and Management, *NEOMA Business School*.**

### Articles

- All You Need Is One GPU: Inference Benchmark for Stable Diffusion (2022)
- Text-to-Naruto: Stable Diffusion Finetuning Demo (2022)
- GiftHub: A Collective Decision-making Tool for Distributing Money (2021)