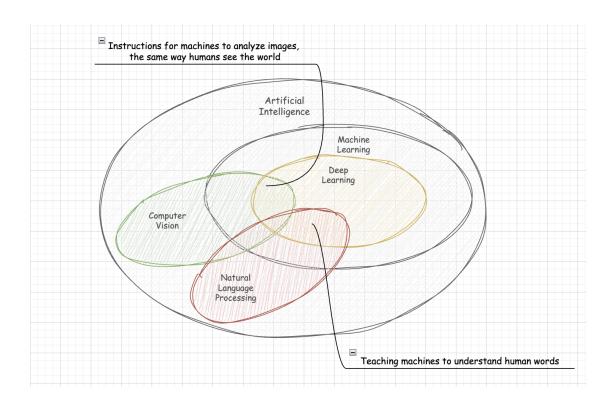
What I learn at Epita.

The professor give us the overview about AI, the relationship between all domains.



- **Supervised and unsupervised machine learning algorithms**: Decision Trees, SVM, XGBoost, KNN, K-Means, t-SNE...
- **Model training and evaluation techniques**: Transfer learning, self-supervised learning, underfit/overfit handling, cross-validation, evaluation metrics...
- Deep Learning: MLP, perceptron, activation function, forward/backward propagation, loss function, optimization, regularization...
- **Computer vision (CV)**: CNN, YOLO, ResNet, UNet, VGG, ViT, image classification, recognition and segmentation problems, Visual QA...
- Multimodal and GenAl: cross-attention, CLIP, Stable Diffusion, GAN...
- **Natural language processing (NLP)**: Word embeddings, seq2seq, transformer, attention, machine translation, text classification, fine-tuning large models (LLM)...

