


# Paul Pham

MACHINE LEARNING ENGINEER

 paul-pham



## Work Experience

---

### UMC Utrecht - Pathology department

*Utrecht, The Netherlands*

MACHINE LEARNING ENGINEER

*Feb. 2022 - Present*

- Designed a general architecture for AI applications for tasks such as cell detection and segmentation
- Evaluated AI models in terms of performance and user experience
- Collaborated with various companies on AI-integration in the pathology department
- Built a data engineering solution to scrape and retrieve image metadata from the image archive, which is accessible via a REST API. This solution enabled dataset creation for training AI models

### UMC Utrecht - Pathology department

*Utrecht, The Netherlands*

AI GRADUATE INTERN

*Apr. 2021 - Dec. 2021*

- Developed deep learning models which classify pathology images for breast cancer grade classification, metastases detection in lymph nodes and melanoma subtype classification. These models were evaluated on internal and public datasets

### Vanderlande Industries

*Veghel, The Netherlands*

BACHELOR GRADUATE INTERN & WORKING STUDENT

*Feb. 2019 - Aug. 2019*

- Developed a monitoring and alerting solution for software teams which enable real-time application monitoring and ensuring prompt issue detection and resolution

### DAF Trucks

*Eindhoven, The Netherlands*

BACHELOR INTERN

*Aug. 2017 - Jan. 2018*

- Developed an application to enrich truck GPS data with road surface metadata. This would help data analysts to analyze the impact of road conditions on tire durability

### ATeam Eindhoven (Student Team)

*Eindhoven, The Netherlands*

SOFTWARE DEVELOPER

*Apr. 2017 - Oct. 2018*

- Developed software for the self-driving car, which consisted of the car dashboard and light indication for pedestrian detection

## Education

---

### TU/e (Eindhoven University of Technology)

*Eindhoven, The Netherlands*

MSC COMPUTER SCIENCE AND ENGINEERING

*Sep. 2019 - Dec. 2021*

- Relevant courses: Deep Learning, Data Engineering, Computer Vision, Data Visualization, Philosophy & Ethics of AI

### Fontys University of Applied Sciences

*Eindhoven, The Netherlands*

BSc SOFTWARE ENGINEERING

*Sep. 2015 - Jun. 2019*

- Relevant courses: Software Engineering, Databases, Web Applications, Microservices

## Technologies

---

Python, C#, Java, PyTorch, TensorFlow, Ray, FastAPI, Flask, Docker, Kubernetes, Apache Kafka, ELK Stack, Prometheus, Grafana, (No) SQL Databases

## Certificates

---

Machine Learning in Production and Machine Learning Data Lifecycle courses by DeepLearning.AI