

Emile Lampe

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Amsterdam, The Netherlands



PROJECTS

Automatic Personality Recognition from Speech Data

Python, scikit-learn | [GitHub](#)

- Developed an end-to-end machine learning pipeline for personality trait classification from speech data, encompassing everything from data collection to model evaluation.
- Collaborated on building a speech database using GPT-3 powered human-computer conversations.

The European Refugee Crisis Visualized

JavaScript, D3.js, HTML, CSS | [Project](#), [GitHub](#)

- Created a data-driven dashboard with two team members to highlight the human aspect of the refugee crisis; awarded 9/10.

maestros - Multi-label Stratified Group Split Library

Python, Matplotlib | [GitHub](#)

- Developed a library for creating multi-label stratified data splits, ensuring disjoint groups.
- Incorporated functionality to analyze multi-label set distributions via stratification charts and reports.

You Need A Budget - Splitwise Integration Tool

Python, REST APIs | [GitFront](#)

- Developed software to automate shared expense updates across YNAB (budgeting) and Splitwise (cost-sharing) platforms.
- Significantly reduces the time and effort needed to keep track of shared expenses on the platforms.

EDUCATION

Delft University of Technology

Feb 2021 – Jun 2023

Master of Science in Computer Science: Artificial Intelligence Technology track

Delft, The Netherlands

- Relevant courses: Deep Learning, AI Techniques, Algorithms for Intelligent Decision Making, Conversational Agents, Socio-Cognitive Engineering, Recent Topics in Bioinformatics, Data Visualization.

Universitat Politècnica de València

Oct 2022 – Jun 2023

Hosted Thesis Project

Valencia, Spain

- Worked on machine learning personality trait classification from speech data.

Politecnico di Milano

Feb 2022 – Jul 2022

MSc Computer Science Exchange Programme

Milan, Italy

- Achieved 28.5/30 average grade; earned 30/30 Cum Laude in Philosophical Issues of Computer Science and 30/30 in High-Tech Entrepreneurship.

Delft University of Technology

Sep 2018 – Jun 2020

Bridging Programme Computer Science (all key courses of BSc Computer Science)

Delft, The Netherlands

- Relevant courses: Algorithm Design, Big Data Processing, Information and Data Management, Software Quality and Testing.

Delft University of Technology

Sep 2016 – Jan 2021

Bachelor of Science in Systems Engineering, Policy Analysis and Management

Delft, The Netherlands

- Relevant courses: Intelligent and Multivariate Data Analysis, Statistics, Information Systems, Linear Algebra, Calculus.

EXPERIENCE

RPA Developer

Nov 2020 – Feb 2022

Tacstone

Amsterdam, The Netherlands

- Designed and developed a custom data management system for fraud detection.
- Automated business processes through the development of software bots, significantly reducing manual workload.
- Identified automation opportunities via client consultations, fostering an automation-focused mindset in their organization.

VOLUNTEERING

Fundraising Lead

Nov 2019 – Oct 2021

Personal

The Netherlands

- Led a fundraising campaign organizing more than 30 runners and raising over €10.000 for pancreatic cancer research.

Head of Logistics, Introductory Weeks

Mar 2019 – Sep 2019

D.S.C. (student association), supported with a grant from TU Delft

Delft, The Netherlands

- Planned and managed logistics for a two week event, introducing 450 new members to our association.

President, Vrije Studie

Sep 2018 – Jun 2019

D.S.C. (student association)

Delft, The Netherlands

- Led a committee organizing TEDx-style events, addressing contemporary global challenges.

LANGUAGES

Dutch (Native), **English** (Fluent - Cambridge C1 Advanced), **Spanish** (Basic), **Italian** (Basic)

SPORTS ACHIEVEMENTS

IRONMAN 70.3 (Aix-en-Provence 2022), **Marathon 2x** (Rotterdam 2021, The Hague 2020 on own initiative during COVID)