

Michele Tufano

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[Google Scholar](#) | [LinkedIn](#)

Summary

AI and ML Engineer with extensive experience in computer vision, data analysis, and machine learning. Proven track record in research, project management, and software development within academic and research institutions. Strong background in deep learning, video analysis, and data pipeline development.

Work Experience**Research Affiliate**

Massachusetts Institute of Technology, Senseable City Lab and Senseable Dubai Lab
2023 - Present

- Lead projects on urban and food environment research
- Developed data pipelines and performed comprehensive data analysis

Ph.D. Candidate

Wageningen University and Research, Department of Human Nutrition and Health, Global Nutrition, "Hungry Robots" Lab
2021 - Present

- Specialized in deep learning, video analysis, and software development
- Supervised students and engaged in teaching activities

Data Analyst

University of Illinois at Chicago, Department of Psychiatry, School of Medicine, Dr. Sharma's Lab
2019 - Present

- Conducted data analysis for scientific publications
- Performed network and lncRNA analysis

Research Assistant

University of Illinois at Chicago, Department of Psychiatry, School of Medicine, Dr. Pinna's Lab
2019 - 2020

- Quantified cholesterol using GC-MS and HPLC
- Supervised students

Research Associate

*Genome Institute of Singapore, ASTAR, Human Genetics, Dr. Jianjun Liu's Lab**
2018

- Designed studies and analyzed genomic data for DLBCL blood samples
 - Developed computational workflows for targeted locus amplification technology
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Education

Ph.D. in AI and Computer Vision

VLAG Graduate School, Wageningen University and Research, The Netherlands
2021 - 2025

Honors Master of Science in Top Program Biomolecular Sciences

University of Groningen, The Netherlands
2016 - 2019

- GPA: 8/10

Bachelor of Science in Biotechnology

La Sapienza, University of Rome, Italy
2013 - 2016

- 110 with honors/110
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Research Experience

Visiting Ph.D. Student

MIT Senseable City Lab
2023 - Present

- Conducted data mining on food delivery platforms to extract nutritional values and analyzed their correlation with cardiometabolic conditions

Ph.D. Thesis

Wageningen University and Research
2021 - Present

- Applied computer vision and machine learning techniques to analyze eating behaviors from video data

Master's Thesis

Genome Institute of Singapore
2018

- Investigated SNPs' roles in DLBCL chromosomal translocation events

Master's Thesis

University of Groningen

2017

- Analyzed bacterial response to water contaminants using RNA-Sequencing

Bachelor's Thesis

La Sapienza, University of Rome

2016

- Developed a human AGO1 knockout cell line using CRISPR/Cas9
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Teaching Experience

Lecturer in Data Science for Health

Wageningen University and Research

2021 - 2023

Student Assistant in Bio-organic Chemistry

University of Groningen

2018

Certificates

TOEFL

2018

Score: 106/120

Courses

- Image and Video Analysis (2023)
 - Project and Time Management (2023)
 - Effective Communication (2023)
 - Scientific Writing (2023)
 - Entrepreneurship Course, University of Groningen (2019)
 - Leadership: Making the Difference, Honors College, University of Groningen (2018)
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Awards

- Singapore International Pre-Graduate Award (SIPGA) (2018)
- Best 'Pride and Prejudice' Science Slam Award (2021)
- VLAG PhD Fellowship - Wageningen University and Research (2023)

- MIT Visiting Ph.D. Student – Senseable City Lab (2023)

References

- **Dr. Guido Camps**
Senior Researcher, Wageningen University and Research
guido.camps@wur.nl
- **Prof. Dr. Marlou Lasschuijt**
Assistant Professor, Wageningen University
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- **Prof. Dr. Ir. Edith Feskens**
Professor in Global Nutrition, Wageningen University and Research
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- **Dr. Fabio Duarte**
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