

DILAY FIDAN ERCELIK

EXPERIENCE

Research Mentee in NLP/Computer Vision, 11/2020 to Current
UCL Department of Medical Physics and Biomedical Engineering - London

Accepted onto the UCL Research Mentorship Programme, I am a Research Mentee/Intern (esp. NLP), in the following project:

Project: "Developing a Segmentation Pipeline to Characterise and Quantify Radiomic Features of NSCLC CT Scans".

Keywords: NLP, Computer Vision, Radiomics

Supervision: Zihao Fang (UCL PhD Candidate)

Undergraduate Research Assistant, 09/2020 to Current
UCL Language & Cognition Lab - London

- Part-Time (15-20h/week, paid) Student Research Assistant working in the Ecological Language (ECOLANG) Project (funded by the ERC), in the Language & Cognition Lab headed by Prof. Vigliocco
- Multimodal Communication, language comprehension and processing, in adult-adult & caregiver-child dyads, in known vs displaced contexts
- Software: PRAAT, ELAN

<http://www.language-cognition-lab.org/research/ecological-language/>

Media Officer, 03/2020 to Current

UCL Neuroscience Society

Responsible for managing:

- the UCL NeuroSoc Facebook Page (>5k likes, 5.4k followers)
- the Instagram account (1,378 followers | +673 since March 2020 / during my position)
- the Twitter account (2,368 followers)
- the LinkedIn Page (new)

Fellow, 09/2020 to Current

Unexplored Neuroscience

8 month-long learning community (talks, journal clubs...), from 1st of September 2020 to April 2021.

Cognitive Neuroscience - Systems Neuroscience - Neurophilosophy - Developmental Neuroscience - Neuroengineering - Neurology + Neuroimmunology - Computational Neuroscience - Neuroinformatics

EDUCATION

MSci, Psychology and Language Sciences, Expected in 06/2023

UCL (Predicted First) - London

>Some Modules: Neural Basis of Perception, Memory and Language - Speech Sciences - Research Methods (R) - Intermediate Statistical Methods (R) - Calculus and Linear Algebra

CONTACT

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SUMMARY

Second-year undergraduate student at UCL (London) with an academic interest in neuroscience and artificial intelligence, particularly having a curiosity for cognitive/computational neuroscience, machine learning and languages.

SKILLS

- Python
- R (statistical analysis)
- Deep Learning Frameworks practice: PyTorch, scikit-learn, Keras, Tensorflow 1
- Machine Learning
- Amazon Web Services - AWS (SageMaker, Lambda, API Gateway)
- Speech Science Software: VQLAB (Voice quality laboratory), ESection, WASP, RoboVoice, PRAAT, ELAN (eyegaze tracking)
- NLP
- OOP
- Microsoft Office
- MATLAB (basic)
- Git (basic), GitHub
- SQL (basic)
- GDPR training
- Scientific Writing & Research
- Languages: French (Native), Turkish (Native), English (Fluent), German (intermediate writing)

> Societies: UCL Neuroscience Society, Artificial Intelligence Society, MedTech Society, Data Science Society, Technology Society

Machine Learning Engineer Nanodegree, 09/2020

Udacity - School of AI

> 3-month long online programme, July-September 2020

> **ML Capstone Project:** Customer Segmentation & Optimizing the Customer Acquisition Process with Arvato Financial Solutions - inc. Proposal, Project Notebook & Report

> Topics included: Software Engineering Fundamentals • Machine Learning in Production • Machine Learning Case Studies • Machine Learning Portfolio Project

> Other Projects: Python Package to Pypi | Sentiment Analysis Model with Deployment | Plagiarism Detector

> Tools: AWS Sagemaker, AWS Lambda, AWS API Gateway, XGBoost, Python & packages (scientific computing, NLP-related packages...)

AI Programming with Python Nanodegree, 06/2020

Udacity - School of AI

> 3-month long online programme, April-June 2020

> Topics included: Python Programming • OOP • Linear Algebra • Calculus • Deep Learning • Neural Networks • PyTorch • logistic regression • gradient descent concept

> Projects on GitHub

French Baccalaureate, Scientific Baccalaureate (S - Math Speciality), 06/2019

Lycee Charles Peguy Paris (High School) - Paris

> Grade: 19.31/20 - Highest Honours (UK: A*A*A*A*, USA: >4.0 GPA)

> Subjects of the Baccalaureate: Maths & Further Maths, Physics & Chemistry, Life & Earth Sciences, Philosophy, History & Geography, French, German, English, Turkish, Latin.

WEBSITES

- GitHub: [https://github.com](https://github.com/dilayercelik)

/dilayercelik

- LinkedIn:

<https://www.linkedin.com>

/in/dilay-fidan-ercelik-ucl2023

- Medium: <https://medium.com>

/@dilay.ercelik

ACADEMIC AWARDS

> Student Achievement Prize for overall performance in Year 1 (£50)

> Nominated by the Board of Examiners for the UCL Faculty Undergraduate Scholarship for Excellence (£3000)

> Highest Baccalaureate Grade in the 2019 cohort and in the Scientific Section of the Baccalaureate (19.31/20)

CERTIFICATIONS

- Deep Learning Specialization (5 Courses) deeplearning.ai

Coursera:

- Computational Neuroscience

- Introduction to AI

- Introduction to Psychology

- Introduction to Philosophy
