Tahsin Emirhan Tekoğlu

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EDUCATION

Koc University — Istanbul, Turkey
PhD in Molecular Biology and Genetics – Bioinformatics — *Feb 2021 – Present*
- **Research**: Research Assistant in Lack Lab led by Dr. Nathan Lack
- **Subjects**: Intro to machine learning, computational structural biology, advanced techniques in molecular biology

Yildiz Technical University — Istanbul, Turkey
Bachelor of Science in Bioengineering; GPA: 3.48 — *Sep. 2016 – Dec. 2020*
- **Thesis**: A Breast Cancer Diagnosis Approach Using Image Representations of Embedding in a Convolutional Neural Network
- **Subjects**: General subjects such as physics, calculus, differential equations, chemistry; in-field subjects such as cell and molecular biology, biochemistry, polymer science and biomaterials, biothermodynamics and fluid mechanics, virology, physiology, immunology, bioprocess engineering, heat and mass transfer in biological systems

Wrocław University of Science and Technology — Wrocław, Poland
Erasmus+ Exchange Program in Biotechnology — *Oct. 2018 – July. 2019*
- **Research Experience**: Participated in the Linguistic and Intelligent Methods for Bioinformatic Analyses research group led by Dr. Witold Dyrka.

EXPERIENCE

Inovenso Technologies Ltd. — Istanbul, Turkey
R&D Intern — *Oct. 2020 - Nov. 2020*
- **Laboratory**: Discovery and development of the optimum electrospinning conditions for different polymer solutions; preparation of the polymer solutions and electrospinning setups; usage of SEM to determine the efficiency and performance of the electrospinning parameters

Istanbul University, Faculty of Medicine — Istanbul, Turkey
Laboratory Intern — *Aug. 2018 - Sep. 2018*
- **Department of Pathology**: Interned in the Immunohistochemistry laboratory

ACTIVITIES

- **6th National Bioengineering Congress**: Organizational committee – event photographer
- **IUGEN XV. Winter School**: Molecular biology and genetics conferences organized by the Istanbul University Genetics society – attended as a listener.
- **BioForm IV**: Bioengineering conferences organized by the IEEE society in Yildiz Technical University – attended as a listener.
- **Forensic Science Conference**: Organized by the YTU Biotechnology and Genetics society – attended as a listener

PROJECTS

- **Annotating N-terminal domains of NLRs in fungi based on remote homology**: Work in progress (2018-2019, 2020-Present); supervised by Dr. Witold Dyrka
- **Web Deployment of a DL Model**: Very basic web deployment of a deep learning model developed for my thesis – using Flask and DigitalOcean (Project website is now down). GitHub page: github.com/pauldrinn/bioeng-project

SKILLS

- **Languages**: Turkish *(native)*, English *(fluent; TOEFL iBT: 113)*, Spanish *(beginner)*
  Programming languages: Python
  Technical skills: Proficient in git, command line (bash) and MS/Open Office