Genc Saracaydin

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EDUCATION

Stanford University   *Stanford, CA*

Pursuing Computer Science and Bioengineering   June 2028

RELATED EXPERIENCE

AI-driven lab automation using real-time position data *2024 October - Current*
- ➤ 3D printed telecommunicated robot
- ➤ Object recognition with OpenCV
- ➤ Mapping position data to joint positions

Financial Officer of AI + Bio club at Stanford *2024 December - Current*
- ➤ Managing and allocating 15 year-old club's funds to different projects
- ➤ Budgeting & financial planning different accounts
- ➤ Approving and documenting spendings

Biochemistry Research *2023-2024***:**
- ➤ Experiments to evaluate lead ion induced neurotoxicity of SH-SY5Y human neuroblastoma cells
- ➤ Performed MTT assay to assess cell viability.
- ➤ Utilized fluorescent calcium markers and microscopy to measure calcium concentrations.
- ➤ Found negative correlation between lead ion concentration and calcium ion uptake

Pioneer Academics Oberlin College Research Program *February 2023-July 2023 (25 weeks):*
- ➤ Conducted Conservation Biology research over 25 weeks.
- ➤ Authored the research paper "Effects of Climate Change on Barnacle Species in the Rocky Intertidal Zone."
- ➤ Worked under the mentorship of Prof. Catherine Cardelus from Colgate University.

Turkish Science and Technology Research Foundation 54. Annual Competition, Biology branch *2023:*
- ➤ Co-developed a tissue coverage model using Aloe vera, St. John's Wort, and eggshell combinations.
- ➤ Investigated the model's effects on fibroblast proliferation, morphology, and cytotoxicity using MTT, ROS detection, and scratch-wound assays.
- ➤ Awarded 2nd place among 27,000 projects.

Primary Author of Literature Review and Research Intern *July-December 2022 (24 weeks):*

Under M.D., Ph.D. Dr. Özlem Özer Çakır:
- ➤ Interned at Istanbul Florence Nightingale Hosptial's gastroenterology department.
- ➤ Authored and published the literature review article "CRISPR Technology and its Importance in SARS-CoV-2 Treatment."

COMMUNITY SERVICE

Treatment Assistant: Quedyne robocare –Turkey *June 2022 – January 2023 (36 weeks):*
- ➤ Assisted in the shock-wave therapy department to support patient recovery.
- ➤ Focused on the rehabilitation of a cerebral palsy patient using worn prosthetics.
- ➤ Recorded data from rehabilitative games and documented progress notes.

SKILLS & INTERESTS

Language: Native English and Turkish, intermediate French

Computer: Python, C++, 3D CAD (Onshape), Microsoft Office, LLM prompting

Interest: AI research with multi agent interactions focusing on human-agent feedback and communication pipelines.