Ahmet Murat Acar

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PROFESSIONAL EXPERIENCE

Global Trading Development and Management LLC — Houston, TX (Remote)
Software Engineer — Aug 2022 - Present
- Collaborated in AGILE teams to develop full stack desktop and web applications for differing needs of clients from varying industries.
- Designed and tested UI/UX for internal tooling deployed within the organization.
- Navigated outdated and unmaintained codebases to maintain security, remove defunct API calls, reduce jQuery calls and DOM manipulations by up to 95%.
- Designed and implemented critical RESTful APIs to cut load times and server usage by up to 50%.
- Web stack utilized: Next.JS, React, Bootstrap, Tailwind, Node, JavaScript, and PostgreSQL.
- Desktop stack utilized: Python, Node, JavaScript, and PostgreSQL.

Meshak & Samitto — Istanbul, Turkey (Remote)
North American Expansion Team Lead — Feb 2022 - Aug 2022
- Led a global team of employees across multiple time zones by coordinating meetings to manage timely task completion.
- Ensured company executives were regularly updated on progress through planning emails, articles, and meetings.
- Established and supervised channels of communication between Meshak & Samitto and American consulting firms for purposes of expansion from the Turkish market into the North American market.

California State University Northridge — Los Angeles, CA
Research Assistant, Analytical Chemistry Department — Dec 2019 - Dec 2021
- Decreased dead time effects by 20% and increased the range of time to digital converters by 15% in ToF-SIMS experiments by creating multiple designs of multi-anode mass spectrometer detectors using SOLIDWORKS.
- Utilized MATLAB tools to train neural networks on mass spectral data consisting of samples containing slight chemical differences. These neural networks were then used to analyze mass spectral data to not only find and define specific ions and the surface composition of a sample, but also the statistical correlations between ion ejections.

PROJECTS

Grabby - [Source Code](#)
- Created a website for college students to stay on top of classes and stay organized. It allows students to add all important dates to Google Calendar by simply uploading a syllabus.
- Utilized OpenAI's GPT API to accommodate for varying types of syllabus formats.
- Coded using Javascript, Node, ExpressJS, EJS, and Bootstrap CSS.

CrossSeq - [Source Code](#)
- Developed a desktop application for generating custom graphical representations comparing and contrasting coding regions of mRNA FASTA sequences. Applied in classroom settings and figures for research papers.
- Coded completely in Python leveraging OOP principles with no external libraries leveraged for the DNA analysis.

SKILLS

Programming Languages: Python, JavaScript, HTML, CSS, SQL, R
Technologies: Next.JS, React, EJS, PostgreSQL, Git, Github, Node, OOP, AGILE, Jira, Postman, Bootstrap, Tailwind, Docker, tmux

EDUCATION

California State University Northridge — Dec 2021
Bachelor of Science in Biotechnology, Minor in Chemistry — Graduated cum laude