Ahmet Murat Acar

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PROFESSIONAL EXPERIENCE

Global Trading Development and Management LLC Houston, TX (Remote)
Software Developer Aug 2022 - Present

- Collaborated in AGILE teams to develop full stack desktop and web applications for the differing needs of 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- Navigated outdated and unmaintained codebases to maintain security, remove defunct API calls, reduce jQuery calls and DOM manipulations by up to 95%.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)
QA Automation Engineer Feb 2022 - Aug 2022

- Developed a robust Behavior-Driven Development (BDD) framework using Cucumber and Java, enabling seamless collaboration between technical and non-technical stakeholders by defining test scenarios in Gherkin syntax.
- Executed and maintained automated regression test suites for web applications, reducing manual testing time by 40%.
- Conducted comprehensive database testing by connecting Java-based test automation frameworks to various database systems such as Microsoft SQL Server and Oracle DB.

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, Java
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