Elena Fabian

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3154 Greenwood Ave
Highland Park, IL 60035

EDUCATION

Northwestern University, Evanston, IL — Anticipated June of 2024
Bachelor of Science in Computer Science + Minor in Legal Studies
Cumulative GPA: 3.921

Dean's List High Honors
2022 Inductee to Tau Beta Pi, Engineering Honor Society
Recipient of the Zeta Tau Alpha Foundation Academic Scholarship

SELECTED COURSEWORK

- Operating Systems
- Machine Learning
- Data Structures & Algorithms
- Microprocessors and Embedded Systems
- Human Computer Interaction
- Engineering Law

Course descriptions are available at https://catalogs.northwestern.edu/undergraduate/courses-az/

EXPERIENCE

UL Solutions, Northbrook, IL — Jun 2022-Sept 2022
Business Transformation Team's Digitalization Intern

- Designed and programmed 15+ automated templates used for issuing common Certificates of Compliance, Audit Communications, and Data Reports
- Wrote custom SQL queries coupled with Windward functionality to efficiently access and use UL Solutions' QuInsights databases
- Collaborated with QuInsights' user groups and the Digitalization team to ensure both data-friendly and reader-friendly template designs
- Assisted with data migration, clean-up, and collection, improving workflow efficiencies for the Digitalization team and expanding system capabilities

Northwestern University, Evanston, IL — Jan 2022-Present
Peer Mentor in Computer Systems & Fundamentals of Computer Programming I

- Provided concept clarifications, homework and lab guidance, and exam review
- Monitored online class discussion forums, providing prompt asynchronous help to students
- Identified common student confusions when mentoring and grading, allowing instructor to adjust course content

Design, Thinking, and Communication, Northwestern University, Evanston, IL — Apr-Jun 2021
Client: NeighborFood Meals

- Designed an integrated system of Google Forms, Sheets, and automatic emails with Python scripts to improve the nonprofit food distributor's supply-chain logistics and reduce food waste
- Optimized system interfaces for intuitiveness through lab and real-world user testing
- Led Northwestern team by dividing responsibilities and scheduling meetings for timely deliverable completion
- Wrote, edited, and presented project report in conjunction with team

Zeta Tau Alpha, Alpha Phi Chapter, Northwestern University, Evanston, IL — Jan 2022-Present
Vice President + Treasurer

- Reworked chapter budget upon doubling chapter size
- Traced transactions from prior treasurer's term
- Partnered with President and officers to remain within budget and provide creative programming
- Discreetly handled members' unique financial situations
- Recommended scholarship opportunities available to members
- Earned Alpha Phi Chapter the 2022 Financial Improvement Award at National Convention

PROGRAMMING PROFICIENCY

C/C++, Java, HTML/CSS/Javascript, Python, Linux/UNIX, SQL, Microsoft Word, Excel, Access & Windward, MATLAB

INTERESTS

Language: Spanish (fluent speaker and writer), English (native)
Law: Editor for the Northwestern Undergraduate Law Journal
Sport: Former nationally ranked rhythmic gymnast

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