Diane Pérès

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SUMMARY

Flexible and analytical computer science engineer with experience in Financial Services fields and Commercial Real Estate. Determined and studious, I pursue a double Master's degrees in Computer Science & Networking and Financial Mathematics. I have broad experience in a variety of IT functions and am especially passionate about applying my computational skills in finance functions.

PROFESSIONAL EXPERIENCE

REAL ESTATE COMPANY, PEAK PROPERTIES   Apr - May 2023
Finance Intern, Part Time
- Worked with the YARDI system: Financial Data Entry and Analysis / Budgeting and Forecasting / Vendor Management and Payments

ENGINEER CONSULTING COMPANY, INSPIRE   Sept 2020 - Aug 2022
Treasurer
- Intern to leading 100% external audit compliance for 2 years. Promoted to Treasurer: 10% efficiency gain, elevated client satisfaction by 15% through faster processes. Led, trained, and managed a 4-member team, optimizing recruiting, automating financial planning, ensuring regulatory compliance, and achieving precise quarterly budget estimates with Excel/VBA/Python.
- Orchestrated 20% of budget reallocation for better advertising: collaborated weekly with President and team of 3 HR. Led financial report prep, analyzed / reviewed data & metrics, facilitated recommendations / insights processes after each of 10 projects. Coordinated / presented monthly to 35 employees for feedback and visibility of strategic corporate fiscal endeavors.

COMMERCIAL REAL ESTATE COMPANY, EMERIA EUROPE   Feb 2021
IT Systems Rotational Intern
- Demonstrated cross-functional expertise across diverse IT departments: Support, Delivery, Production, Network, and Development.
- Oracle's database management systems / AWS cloud computing platforms and services: Networking and Security
- Collaborated with engineers to implement innovative task automation solutions, improving issue resolution time and user satisfaction.
- Conducted software maintenance and system support (Workday logiciel)

DIGITAL BANKING & CLOUD SERVICES - SOPRA STERIA   Oct 2021
Hackathon Competition Winner: *Linkedin Post*
- 24-hour competition in a team of 4 students. Built a business plan and learn then utilized Angular language to develop a phone app.
- Secured victory over 10 teams and a jury consisting of 5 representatives from regional and digital banking companies.

SKILLS

- Python - Matlab
- Node JS - Vue.JS - Angular
- OpenCV Library - GitLab API
- Microsoft Office Suite / Excel

- Agile Project Management: Scrum
- Enterprise Resource Planning (ERP)
- Organization: SWOT analysis
- KPI tracking and reporting

- Analytical & problem solving
- Decision Making Ability
- Internal Audit
- French, English & German

EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, IL   Jul 2023
- Master of Science, Applied Mathematics

TÉLÉCOM SAINT-ETIENNE (ENGINEERING SCHOOL), FRANCE   Dec 2023
- Master of Science, Computer Science & Networking

PROJECTS

TRADING STRATEGY
(Python | DPP equation | Real Market Data)

Conduct 5 projects including: Mean-Variance Portfolio Selection Problem, Utility Maximization, Pairs Trading, Market Making, Optimal Liquidation, Accounting for Transaction Costs and Market Impact.

INTERFACE DEVELOPMENT
(JavaScript | Gitlab API | Maven)

Developed an interface enabling secure authentication with the university HR department. Imported and updated csv files, optimizing data management and enhancing overall functionality.

PRICE IMPACT EVOLUTION
(Python | multithreading | linear regression)

Programmed an application to read and sort files, efficiently managing prices. Visualized the impact of stock prices through graphs based on input files, providing valuable insights for analysis.

EXTRACURRICULAR AND LEADERSHIP

- Sports: Avid Runner, Karate and Ski
- Event Planner: Organized companies events & after work while respecting a budget and requirements - 200 guests.
- Camp concealer during holidays
- Rotary Club: Organization and participation in charity events
- Creation of the IIT French student association