Philippe Paquin-Hirtle

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EDUCATION

Imperial College London – MSc Computing (London, UK)   October 2022 – September 2023
- Achieved Distinction with modules in Algorithms, Object Oriented Programming (C++), Databases, Computer Networks and Distributed Systems, Network and Web Security, Machine Learning (Python), Computer Architecture, Operating System.

McGill University – BCom Finance (Montreal, Canada)   September 2019 - April 2022
- Dean's Honour List, awarded to top 10% of Faculty, with a CGPA of 3.88/4.00.
- Peter Brojde Scholarship for academic merit, leadership, and demonstration of a passion for entrepreneurship.
- Predicted Canadian inflation using statistical models (VARX, ARDL) and methods (LASSO, out-of-sample forecast) using R.

PROJECTS

MixAtHome – Full-Stack Development (https://github.com/PhilippePH/MixAtHome)   September 2023 - October 2023
- Designed, and developed a full-stack web application using the PERN (PostgreSQL, Express.js, React.js, Node.js) stack, showcasing end-to-end proficiency in database design, server-side logic, and client-side user interface development.
- Created an inventory tracking system that enables users to see the subset of recipes they can make based on the ingredients they added to their inventory. This involved database design and server-side logic (Rest API) for handling data.
- Implemented user authentication features (registrations and login), enabling personalized user experiences.

Thesis: Cookie Banner Detection – Web Crawling (https://github.com/PhilippePH/cookie-banners)   January 2023 - March 2023
- Developped an algorithm to classify a website's cookie banner state in one of three possible states, achieving 84-95% depending on the web browser and its cookie banner blocking technique.
- Crawled a total of 40,000 websites to collect cookie banner information, as well as storage, requests, and responses data.
- Compared the efficacy of cookie banner blocking tools and their impact on user privacy for my thesis "Crawling the web to identify the perseverance of cookie banners and respect for choice".

TRX Star – Front-End Development (https://www.trxstar.co.uk)   January 2023 - March 2023
- Developed the front-end of a progressive web app (PWA) using React. The app aims to democratie workout platforms by providing personalised workouts completely free of charge.

WORK EXPERIENCE

Novisto – Environment, Social, and Governance (ESG) Intern (Montreal, Canada)   May 2021 - April 2022
- Leveraged ESG expertise to enhance the AI algorithm responsible for analyzing ESG reports. Trained the AI team in ESG report analysis techniques, curated training data for the algorithm, and conducted result verification to ensure accuracy.
- Achievied a 100% lead-to-customer conversion rate by facilitating the seamless onboarding of 10 leads onto the platform through comprehensive analysis of their sustainability reports, and meticulous integration of their sustainability data.
- Bridged knowledge gaps within the organization, resulting in the integration of new product features, through comprehensive research and presentation of papers on integrated reporting, ESG integration in supply chains, and executive compensation.

Quebec Innovation Accelerators Movement – Project Manager (Montreal, Canada)   July 2019 - May 2021
- Achieved a 33% reduction in required administration resources by integrating a customized software application (Zoho Creator), resulting in heightened efficiency and improved data quality. The app is utilized by 1000 suppliers and clients.
- Created comprehensive data collection guidelines, implemented a centralized database, and designed user-friendly tools to empower employees without technical expertise to leverage data to maximize their project's impact (utilizing spreadsheets).
- Developed a dynamic, real-time interactive dashboard using Tableau to analyze weekly survey results, effectively identifying trends and addressing the needs and challenges of 500+ startups at the onset of the COVID-19 pandemic.
- Successfully managed a $16M program, overseeing operations of 10 partner organizations and managing contracts and invoicing for 500 suppliers across 175 projects. Achieved exceptional results, surpassing all the projects KPIs.

VOLUNTEERING AND LEADERSHIP

ConnectED – Co-Founder (Montreal, Canada)   September 2021 - Present
- Secured $8,000 in funding from three donors through compelling presentations that showcased the significant impact of our pilot project and underscored our commitment to creating a positive impact in the community.
- Spearheaded project growth by recruiting and onboarding 3 new executives, and expanding partnerships to new schools.

SKILLS

- **Programming Language:** C++, Python, Javascript (Node.js, React.js)
- **Other:** Linux, SQL (PostgreSQL), HTML, CSS
- **Language**: Native in French, Fluent in English