ALI KAYA

Professional Data Scientist & Scholar ; Experienced Industrial Consultant

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EXPERIENCE

Part-time Research Assistant and Group Lead
A Maritime Project @ Åbo Akademi University

🗓 Oct. 2023 – Present   📍 Turku, Finland

- **Code Refactoring:** Engaging in the systematic refactoring of the existing codebase in both C++ and Python to enhance efficiency.
- **Architectural Evaluation:** Conducting thorough evaluations of the architecture, with a readiness to redesign elements as needed. Such as customizing messages and dockerizing with a 4G connection to further enhance the project's adaptability.
- **Optimization Focus:** Directing efforts towards optimizing the overall system to ensure heightened efficiency and maintainability.
- **People Management and Project Management:** Overseeing and coordinating team efforts, ensuring effective communication and collaboration for successful project outcomes.

Co-founder & Director
An innovated E-commence Company - Investwide Inc.

🗓 Sept. 2018 - Jan. 2022   📍 Metro Manila, Philippine

- **Overall Management:** Leading and overseeing the overall operations and strategic direction of the company.
- **Funding and Investor Relations:** Securing funding through various channels, including venture capital, and maintaining relationships with investors.
- **Partnership Expansion:** Identifying and cultivating strategic partnerships to enhance the company's market presence and offerings.
- **Financial Oversight:** Monitoring and managing the financial health of the company, including budgeting and financial planning.
- **Technical Roadmap:** Collaborating with the technical team to define and implement the company's technical roadmap and innovation strategy.

Industrial Consulting Manager
A Big Data Platform LEAP @ Lenovo Capital and Incubator Group

🗓 Sept. 2016 - Aug. 2018   📍 Beijing, China

- **Project Execution:** Led projects in Predictive Maintenance, Customer Portraits, and Health Risk Analysis of Procurement.
- **Client Support:** Provided end-to-end support, converting business opportunities into contracts for industries like Fiber, Steel, Auto Manufacturing, and ITS.
- **Sales Achievement:** Consistently surpassed annual quotas in presale.
- **People Management:** Oversaw and guided teams, ensuring effective collaboration and achievement of project goals.
- **Public Speaking:** Delivered impactful speeches to diverse audiences, including C-level stakeholders, representing LCIG in multiple conferences.

MY PHILOSOPHY

"Embrace the current moment, as acting with integrity transcends time. Your fulfillment paves the way to my success."

EDUCATION

M.Sc. in Engineering of Data-intensive Intelligent Software Systems (Erasmus Mundus Joint Master Degree)
Åbo Akademi University & Mälardalen University

🗓 Finland & Sweden, 2023-2025

M.Sc. (Distinction) in Information Technology
Hong Kong Polytechnic University

🗓 Hong Kong SAR, 2011-2013

B.S. (Honors) in Information Management & Information System
Hebei University of Technology

🗓 China, 2007-2011

RECENT PROJECTS

GPU CUDA Design

Parallel Design - MPI & OpenMP

Flight Analysis   Åboat Innovation

Parkinson Biomaker Detection

ML Classification using Multiple Models

Network Analysis   Image Style Transfer

LANGUAGES

Finnish
English
Chinese

ONGOING COURSES

GPU Programming   Embedded AI

Parallel Programming   Data Science

Machine Learning   Artificial Intelligence

Research Internship   Industrial Internet

Data Intensive Engineering   Arch of IoT

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EXPERIENCE CONT.

CoE & Functional Consultant
A cross-functional department @ SAP

📅 Jul. 2013 - Sept. 2016   📍 Beijing, China

- **Customer Service Experience:** Engaged in various customer services such as VTO, BPPO, IV, GLS, addressing existing issues and mitigating potential risks. Notably assisted ExxonMobil in identifying processing bottlenecks during VTO remote service, receiving recognition from SAP US.
- **PLM Implementation (2014):** Led a year-long initiative to implement PLM Phase III for Heli, a forklift truck manufacturer in China. Mastered Product Lifecycle Management methodology, covering document management, product structure management, BOM management, routing management, and visual engineering technology.
- **MES Implementation (2015-2016):** Transitioned to Manufacturing Execution Systems, assisting multiple large companies in taking the first steps towards Industry 4.0.

Part-time Project Assistant & Research Assistant
A Lab @ Hong Kong Polytechnic University

📅 Jul. 2012 - May 2013   📍 Hong Kong SAR

- Contributed to the development of an e-learning system based on Ontology.
- Actively participated in the development of OpenWRT for a SmartHome Project.
- Continuously implemented an AI system using JSF, Spring, and Hibernate structures.

AREAS OF EXPERTISE

📊 Professional Skills
- Experienced in addressing business-oriented topics such as Predictive Maintenance, Customer Portraits, and Health Risk Analysis.
- Company-specific expertise includes working with software tools like SAP ERP, PLM, MES, Visual Enterprise, and Document Management.

🖥 Software Skills
- Proficient in programming languages such as C++ and Python (with expertise in PyTorch and scikit-learn), Linux, ROS2, etc.
- Well-versed in algorithm-oriented tasks, covering a spectrum from traditional regression and classification to advanced deep learning techniques like CNN and GAN.

👥 Soft Skills
- Strong communication and presentation skills for Value Proposition and Proof of Concept.
- Inspiring leadership and coaching skills.
- Excellent problem solving skills.
- Teamwork and collaboration skills.

MOST PROUD OF

🏆 **Encouraging Team Success**
Fostering a culture of constructive feedback and personal success, irrespective of organizational size.

◎ **Technology Enthusiast**
Maintaining a forward-looking attitude that transcends age and experience, earning recognition universally.

📈 **Entrepreneurial Growth**
Leading the development from inception, overseeing up to 80 employees across 6 departments.

🏛 **Academic Patience**
In the face of new challenges, demonstrating resilience and persistence without compromising commitment.

CERTIFICATIONS

- Meta Marketing Analytics Specialization
- Google IT Automation with Python
- Google Data Analytics Certificate
- SAP Support Engineer for Workload Analysis
- SAP Support Engineer for SAP NetWeaver
- SAP RCA for Solution Manager

PROFESSIONAL REFERENCES

Dr. Sébastien Lafond, Ph.D
@ sebastien.lafond@abo.fi
✉ Tuomiokirkontori 3, 20500 Turku, Finland

Mr. Ban Luo, Senior Product Manager
@ banluo@microsoft.com
✉ 808 Hongqiao Rd, Xuhui District, Shanghai, China

PUBLIC SPEECH

🔗 Giving a conference speech related to cyber-physical systems as the LCIG representative, 2018, Beijing

🔗 Giving a valedictory speech as the top 1 graduate representative, 2013, Hong Kong