Rayan ZOUCH

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Engineering graduate in Information Systems, seeking IT, Network, or Infrastructure roles, available immediately.

EDUCATION

ECE - École Centrale d'Électronique — Paris, France

Master's Degree in Information Systems and Cybersecurity (English Track) — *September 2020 – September 2025*

- Relevant coursework: Advanced Databases, DevOps and Site Reliability Engineering (SRE), Operating Systems, Computer Networks, Web Technologies, Machine Learning, AWS Academy Cloud Foundations, AWS Academy Cloud Architecting, Identity and Access Management (IAM), Information Systems Security.

OMNES Education — London, England

University Exchange Program — *September 2022 – December 2022*

- Courses completed: Science, Computer Science, Artificial Intelligence.

EXPERIENCE

Amazon — Augny, France

IT Support Engineer Intern — *May 2025 – November 2025*

- Executed a large-scale workstation expansion across the fulfillment center, adding 42 new stations (+15%) in collaboration with Infrastructure and Operations teams — boosting daily site output by 13.6% (from 550K to 625K units).
- Traveled twice to Amazon BVA1 and LYS8 (France) to support on-site IT operations during new site launches, leading the planning and deployment of workstations at LYS8 to ensure smooth implementation and meet the launch deadline.
- Led the IT implementation of the TED (Tote Empty Destack) automation project — deployed and configured the network infrastructure for 8 machines in collaboration with vendors, Operations, and Engineering teams. The project achieved a 97.5% reduction in safety incidents and a 16% improvement in decant cycle time, while meeting all technical milestones on schedule.
- Led the IT infrastructure setup for the SPP (Smart Pack Paper) project by deploying industrial firewalls and network switches in collaboration with vendors, the Engineering team, and Operations Manager, enabling secure machine communication and contributing to a 68% increase in production efficiency (from 358 to 600 units per hour).
- Developed an industrial printer monitoring solution using AWS services (CloudFront, Lambda, DynamoDB, IoT Core) to anticipate printer failures and improve production efficiency by 7%.

PwC - PricewaterhouseCoopers — Neuilly-sur-Seine, France

Cyber Threat Analyst Intern — *April 2024 – September 2024*

- Managed threat intelligence monitoring and disseminated cybersecurity news via Slack, with two daily posts on vulnerabilities, malware, and threat actors.
- Gathered and analyzed threat intelligence (CTI) using the ThreatQ platform, enriching data on malware, vulnerabilities, and threat actors.
- Produced weekly reports analyzing key events of the week, covering vulnerabilities, threat actors, malware, and industry news.
- Presented threat reports during meetings with PwC's information security team and CIX-A association members.

SKILLS

Cloud & Infrastructure: Amazon Web Services, Docker, Kubernetes, Terraform, VirtualBox, Linux (Kali, Ubuntu), Windows, Active Directory

Networking: OSI Layers, TCP/IP, DNS, DHCP, BGP, OSPF, RIP, VLANs, Firewalls, VPN

Programming & Tools: Python, Bash, Java, JavaScript, SQL, C, C++, C#, GitHub, Visual Studio, IntelliJ, Putty

Soft Skills: Communication, Customer-facing mindset, Autonomy, Adaptability, Teamwork, Technical storytelling

Languages: French (native), English (C1), Spanish (B2)

Certifications: AWS Certified Cloud Practioner, AWS Academy Cloud Architecting