Riccardo Barone

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LinkedIn

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I'm a computer science student at the University of Winchester, transitioning from my career as a chef.

After completing studies in Enogastronomic and Hospitality Management, I moved to the UK for new opportunities.

Now, I'm fully focused on building a future in tech and excited to see where this journey leads!

Skills & Expertise:

- **Software & Web Development**: Proficient in Python, software design (UML diagrams, user-centered design), and full-stack development using Node.js, JavaScript, Next.js, React, and TypeScript.
- **Object-Oriented Software Development**: proficient in OOP principles and design patterns, intermediate knowledge of Java, and Data persistence with Hibernate ORM. Knowledge of Unit and integration testing with JUnit framework
- **Database Management**: Experience with design and management of Entity-relational databases, knowledge of SQL and normalisation principles. Experience with document-based databases (NoSql), in MongoDB
- **Cybersecurity & Network Security**: Knowledge of CIA triad, cryptography, risk assessment, and network security tools (Packet Tracer, ACLs, VLANs, VPNs, port security).
- **Data Structures & Operating Systems**: Strong grasp of data structures, algorithms, binary algebra, and Operating system concepts (OSTEP textbook).
- **AI & Machine Learning**: designed and coded an A* algorithm AI agent using logic relation, transition model and pddl, trained ML models with logistic regression, and familiar with intelligent agents and supervised learning.

My Projects:

- **BasketBallLearningPlatform:** JavaScript, Node.js, MongoDB, TailwindCSS – Full-stack PWA with SSR, MVC structure, user authentication, and dynamic exercise tracking.
- **Web Portfolio:** React, Next.js, TypeScript, TailwindCSS – Responsive, performant personal site showcasing my projects and integrating modern front-end practices.
- **Crane AI:** Python, PDDL, scikit-learn – Implemented A* algorithm for AI agent and trained a logistic regression model, exploring search algorithms and machine learning.
- **Network Security:** Cisco Packet Tracer – Configured ACLs, VPNs, VLAN security, and traffic monitoring in a simulated secure network environment.
- **GiftWrappingService:** Python, Tkinter – GUI-based quote generator applying programming principles, UML modeling, and basic software design practices.

Education:
- IIS Bartolomeo Scappi (in Enogastronomic and Hospitality Management degree): final score 98/100
- University of Winchester: Ongoing

Languages:
- Italian: Native
- English: IELTS Academic 8.0

Work experience:

Volunteering in Bali (Think Pacific, June 2024):

- Provided consulting services to local businesses, offering insights on efficiency and growth strategies.

Part-Time Chef (New Forest nursing home, Frittham Jan 2024- Current):

- Prepared tailored meals for residents, ensured food safety compliance, kept high quality customer service

Senior Chef de Partie (Balmer Lawn Hotel, Brockenhurst Apr 2022- Jan 2024):

- Oversaw kitchen sections, trained staff, and ensured quality and efficiency in food preparation and service.

Chef de partie (Bartley Lodge, Lyndhurst, July 2021- Mar 2022):

- Managed kitchen sections, maintained consistency in dishes, and assisted with inventory and supply orders.

Commis chef (Neo Restaurant Bournemouth UK, Aug 2020- Jul 2021):

- Supported food preparation, learned cooking techniques, and maintained kitchen safety standards