

Valerio Piotti

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Summary

As an enthusiastic software engineering student currently enrolled at Makers Academy, I am keen to work alongside professional software developers with a positive entrepreneurial mindset, whilst diligently building my career in tech. Among my core values are inclusivity, prompting teamwork, and embracing continuous growth. With a diverse background encompassing engineering in the construction industry, coupled with hands-on experience in software and web development freelancing, I bring a unique blend of skills to the table. I am currently developing a good understanding and passion for test-driven development within an agile working environment. I am excited about the opportunity to bring my diverse skill set and dedication to learning to a dynamic team.

Technical and Transferable skills

- Languages: C, Python, HTML, PHP
- Databases: SQL, PostgreSQL
- Testing: TDD, VScode debugging
- Version control: Git, GitHub
- Proactive learner with a mentoring attitude.
- Problem-Solving oriented and goal-focused individual.
- Capable to efficiently self-managing daily workload.
- Cross-platform software and hardware knowledge.

Projects

PROJECT	DESCRIPTION	IMPLEMENTATION
Chitter project	A simplified version of the most famous social media Twitter giving the option to add multiple comments to single posts.	Python, TDD
TKway app	A simple takeaway platform to order food online.	Python, TDD

Education

- Makers Academy, Bootcamp in Software Engineering – 2024
Subjects studied: Object-Oriented Design, Agile methodologies, Test-Driven Development, Pair Programming, Web applications, Cloud Deployment, Git version control, CI-CD technique.
- University of East London - BSc (Hons) in Surveying and Mapping Sciences – 2017 - Grade: Distinct
- ENAI, Italy. Post-Diploma in Software Engineering – 2003 - Grade: 9/10
Subjects studied: Visual Basic, C++ and C languages, Object-Oriented Programming, Debugging methodologies, Team Programming, Hardware-Software integration.

Working Experiences

Geomatic Surveyor at Geocisa UK at the HS2 project in London - August 2022 to April 2023

- Demonstrated leadership and initiative when I was placed in charge to lead the project and training junior staff. Collaborated with a team of professionals to ensure consistent and on-time daily goals delivery.
- Implemented a shared cloud storage data hub across the whole technician team for seamless data synchronization.
- Implemented checks to prevent re-use of inactive input data using version and timestamp.

Self-Employed Multi-Purpose Craftsman, across London - From March 2021 to August 2022

- Implemented a seamless coded record process across platforms with use of third-party software to track project progression and utilized feedback to monitor client's satisfaction.

Geomatic Surveyor at DYWIDAG-Systems, across the whole England - From October 2019 to March 2021

- Prioritized communication and frequently stand-ups to highlights key features that needed to be delivered. As a result of this the technician team were aligned on which tasks to prioritize and consistently met deadlines on time.
- Developed expertise in the use of advanced surveying equipment and highly precise monitoring techniques.

Other Relevant Experiences and Studies

Software Engineer Internship at Digicom plc. Italy.

Among my tasks, I was tasked to debug the main on-platform software for the flag-ship VoIP router-like device. After assessing the beta version code, I ended up rewriting the entire application from scratch utilizing the OOD. The result was a much more functional and linear back-end package with none-to-zero latency.

Currently Undertaking the CS50 online version.

CS50x covers a comprehensive introduction to computer science and programming. It includes fundamental concepts such as problem-solving, algorithms, and programming languages. It provides a strong foundation for further learning and application in diverse technical roles