Valerio Piotti

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Summary

As a tech enthusiast and having recently completed the Makers Academy bootcamp in software development, I am keen to work alongside professional software engineers with a positive entrepreneurial mindset, whilst diligently building my career in programming.

Amongst my core values are inclusivity and strong teamwork, whilst embracing continuous growth. Furthermore, I take ownership of my work, prioritize the quality of my delivery, driven by innovation and passion. I strive to create high-quality results whilst maintaining clear and frequent communication.

I have a good understanding and passion for Test-Driven Development within an Agile Environment. With a background in construction engineering, I am enthusiastic about the possibility of bringing my diverse skill set and dedication to a dynamic team.

Technical and Soft skills

- Knowledge of the Agile workflow
- Knowledge of the Object-Oriented Design
- Languages: C, C++, Python, CSS/HTML5, PHP, VBA
- Databases: SQL, PostgreSQL
- Testing: TDD, VSCode debugging
- Version control: Git, GitHub

- Capable of delivering focused professional communication exchanges.
- Proactive learner with a mentoring attitude.
- Problem-Solving oriented and goal-focused individual.
- Capable of efficiently self-managing daily workload.
- Cross-platform software and hardware knowledge.

Projects

PROJECT	DESCRIPTION	IMPLEMENTATION
MAKERSBNB	Like Airbnb, this website enables users to register, log in as either guest or host, add and book spaces available to rent for specific dates.	Python, TDD, OOD, Flask, HTML, Jinja, CSS, SQL
TWITTEX PROJECT	A simplified version of the most famous social media Twitter giving the option to add multiple comments to single posts.	Python, TDD, OOD, Flask, HTML, Jinja, CSS
TKWAY APP	A simple takeaway platform to order food online.	Python, TDD, SQL

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: 1st Class**
  Relevant modules include Programming and Point Cloud Data Acquisition

- **ENAIP, Italy. Post-Diploma in Software Engineering – 2003 - Grade: 09/10**
  Subjects studied: Visual Basic, C++ and C languages, Object-Oriented Programming, Debugging methodologies, Team Programming, Hardware-Software integration.

- **CS50's Introduction to Computer Science.**
  CS50x covers a comprehensive introduction to computer science and programming. I am learning fundamental concepts such as problem-solving, algorithms, and programming languages. This specific course is also providing me with a strong foundation for further learning and application in diverse technical roles.

Recent Experience

Software developer student | Makers Academy | *2023 – 2024*
- Demonstrated a keen ability to thrive in an agile team environment, collaborating with four peers in short sprints on shared projects.
- Conducted regular stand-up meetings, retrospectives, and consistently delivered features, showcasing adaptability and teamwork.
- Acquired a diverse set of skills ready for immediate deployment in a professional setting.
- Proficient in Test-Driven Development (TTD), pair programming, and Git version control.
- Demonstrated competence in utilizing a range of tools for efficiently managing and executing full-stack projects.

Geomatic Surveyor | Geocisa, HS2 project at Euston Station | *2022 - 2023*
- Demonstrated leadership and initiative by being selected to lead a complex project in addition to mentoring junior staff. Collaborated with a team of professionals to ensure consistent and on-time daily goal delivery.
- Implemented a shared cloud storage data hub across the whole technician team for seamless data synchronization.
- Prioritized communication and frequent team huddles to highlight key features that needed to be delivered. As a result of this the technician team were aligned on which tasks to prioritize and consistently meet deadlines on time.
- Developed expertise in the use of advanced surveying equipment and highly precise monitoring techniques.
- Implemented checks to prevent re-use of inactive input data using version and timestamp.

Software Engineer Internship | Digicom plc. Italy | *2006*
- Successfully debugged the primary on-platform software for the flagship VoIP router-like device during the internship.
- Undertook the task of assessing the beta version code and, as a strategic solution, rewrote the entire application from scratch, applying Object-Oriented Design (OOD) principles.
- Achieved a significant improvement in functionality and efficiency, resulting in a more streamlined server package with minimal to zero latency.

Interests

By nature, I am a curious person, I enjoy learning new skills, especially if tech related. Also, I cultivate an interest in physics and the fabric of space-time which connects well with my previous study of the GNSS and time shift that occurs when gravity and velocity fluctuate. The achieved accuracy in global positioning system is a technological marvel.