ANDREA SCAMPORRINO

Software Engineer

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EDUCATION

Master's degree in Software Engineering   **Polytechnic university of Turin**

☑ Average: 4.00/4.00 GPA   📅 Sept 2022 - present

- Relevant Coursework included: Computer architectures, Data science, Formal language and compilers, Human computer interaction, Mobile App development, Software engineering, System and device programming, Web applications.

Bachelor's degree in Computer Science Engineering   **Polytechnic university of Turin**

- Relevant Coursework included: Algorithms and programming, Computer science, Computer systems, Database, Object-oriented programming.

WORK EXPERIENCE

Backend Developer   **ABL Soft s.r.l**, Turin - Italy

</> `C#` `SQL`   📅 Jan 2019

- Internship in collaboration with a team dealing with travel management system.
- Developed an API for the management and simplification of corporate travel directly connected to the main Italian transport service providers, resulting in a 20% reduction in booking time and improved cost control.

Network Operator   **N&C System Integrator**, Turin - Italy

</> `Firewall` `IDS`   📅 Feb 2018 - Mar 2018

- Internship which I monitored and serviced customer networks, which helped me gain a better understanding of complex network structures and their security, with a particular focus on firewalls.

SIDE PROJECTS

Multi-platform screen-grabbing utility   **Multi-platform App**

</> `Rust`   ⬡ GitHub

- Engineered a multi-platform screen-grabbing tool in Rust as a team leader of a 3-person project, achieving the score of 6/6 . Compatible with multiple desktop operating systems including Windows and MacOs.
- Engineered an intuitive interface with customizable hotkeys, annotation tools, multi-monitor and various output formats support.
- Engineered a secure application by leveraging Rust's memory safety, eliminating 90% of potential vulnerabilities and ensuring data integrity throughout the system.

Thesis Management   **Full Stack App**

</> `React` `Node.js` `JavaScript`   ⬡ GitHub

- Developed in a team of 7 students a web application for the management of thesis proposals, winning first place out of 18 teams the course competition with the possibility of replacing the current version of the thesis management system at the Polytechnic of Turin.
- Implemented a comprehensive solution catering to students, administrative staff and professors.
- Demonstrated effective collaboration within a team of seven working with agile method with youtrack software.
- Executed integration and unit tests, achieving a test coverage of 98%. Reducing bug density and code smells using SonarCloud software.

Tamagotchi   **Embedded for LPC1768 LandTiger Board**

</> `C` `Assembly`   ⬡ GitHub

- Created an interactive Tamagotchi receiving a top-grade score of 30 with honors in the associated exam.
- Designed and integrated an intuitive menu system allowing users to interact with Tamagotchi's using a joystick and a touchscreen.

SKILLS

- **Software development** - C, Java, Rust, Python
- **Data structure and algorithms**
- **Web development** - HTML, CSS, Javascript, React, VueJS
- **Database management and SQL**
- **Version control system** - GIT