


# GIACOMO TAGLIABUE

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Hi, I am Giacomo, a full stack developer, I like crafting software that matters. I am interested in the web, programming language theory and software architecture.

## TECHNOLOGIES AND SKILLS

I am very good at: C#, .NET, REST services, OOP, automated testing.

I am quite good at: ES6/Typescript, AngularJS, node, functional programming, SQL.

I am good at: CSS3, SASS, HTML5, NoSQL.

I am a beginner at: Scala, react, F#, C++.

Some tools and practices I use on a daily basis: grunt, gulp, Continuous Integration, git, github-flow, bash/zsh, powershell, Visual Studio, Sublime Text.

The rest, I hope to learn one day.

## WORKING EXPERIENCE

### Software Engineer - Hyla Soft - 2013-today

I am currently working as a software engineer at Hyla Soft. I mainly focus on building web application for custom solutions and I supervise the software development process and standards company-wise, trying to leverage the new web technologies in an enterprise context. These are some project and initiatives I led:

- JSM (2014): Design and implementation of an order management system for small part manufacturing shop floors, focused on simplicity, ease of use and configuration, high modularity and extensibility, modern web interface
  - Commissioned by a software vendor, it integrates and ships with their flagship product
  - Technologies used: C#, ASP.NET WebApi, MSSQL, Typescript, SASS/Compass, Bootstrap, Grunt, Bower
- SPOM (2014): Design and implementation of a system to manage and monitor operations in an oil and lubricant manufacturing company
  - integration of different systems and protocols: ERP, Machine controllers (through OPC).
  - Technologies used: C#, ServiceStack, MSSQL, Typescript, SASS, Angular Material, Gulp, Grunt, Bower, Appveyor CI, electron
- Hyla Soft SW Development Initiative: I helped Hyla Soft to improve the results of their software development projects, by fostering best practices, standard tools and products, an healthy engineering culture, and modernizing the technological stack.
  - The results are partly summarized in these slides: [goo.gl/cCXYfW](http://goo.gl/cCXYfW)

## Research Assistant - DARPA / University of Illinois at Chicago - 2012-2013

Employed in DARPA's CSFV (Crowd Sourced Formal Verification) Project. CSFV investigates extensions of compilers' optimizations using formal verification. Technology used: C++, LLVM-CLANG infrastructure, Z3 SAT solver

## EDUCATION

### Master of Science Degree in Engineering of Computing Systems

Politecnico di Milano - Milano, Italy - GPA 28/30

### Master of Science Degree in Computer Science

University of Illinois at Chicago - Chicago, Illinois - GPA 3.85

### Bachelor of Science Degree in Engineering of Computing Systems

Politecnico di Milano - Milano Italy

### Master thesis: An Annotation Framework for the LLVM Compiler Infrastructure

Available at <https://github.com/itajaja/thesis>

Supervisor: Lenore Zuck (reference: [lenore@uic.edu](mailto:lenore@uic.edu))

## PERSONAL PROJECTS

### h-opc <https://github.com/hylasoft-usa/h-opc>

OPC made simpler. For UA and DA.

### markdawn <https://github.com/itajaja/markdawn>

markdawn for paged documents. This very resume is built with markdawn.

### h-dependency <https://github.com/hylasoft-usa/h-dependency>

Dead Simple dependency mechanism provider to achieve loose coupling and easy mocking.

### cs-boilerplate <https://github.com/hylasoft-usa/cs-boilerplate>

A boilerplate set of grunt tasks for .NET applications to enforce coding standards among all the company's project.

--built with [markdawn](#)