

# Daniele Serafini

## Personal Information

**Date of Birth:** 20/09/1997  
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**Github:** [github.com/DanSeraf](https://github.com/DanSeraf)

## Education

**Bachelor of Science in Computer Science** 2016 - 2020  
University of Camerino

**Economic High School “A. Gentili” of Macerata** 2011 - 2016  
Istituto Tecnico Economico – Piano Sistemi Informativi Aziendali

## Work Experiences

**Symmetry Investments - Consultant** 09/2022 - present  
Various software engineering consultant services, including working on the core language of the firm as well as writing new libraries and providing general support for quantitative analysts.

**Google Summer of Code - Participant** 06/2021 - 08/2021  
I took part at the Google Summer of Code with the Software Heritage team improving the [code scanner tool](#). During the GSoC i mainly worked at the refactoring of the scanner model and the integration of new scan approaches in order to verify the status of a software artifact against the [Software Heritage Merkle DAG](#).

**Inria, Software Heritage team - Intern** 02/2020 - 05/2020  
At the end of my bachelor studies I worked with the professor Stefano Zacchiroli at Software Heritage creating a license compliance code scanner tool using as a backend one of the biggest known open source code knowledge base.

**Part-time Collaboration (University) - Assistant** 11/2018 - 01/2019  
I worked in various laboratories of my university managing computer systems in both Windows and Linux environments.

## Languages

**Italian**  
Mother tongue

**English**  
Fluent

## Skills

### *Programming Languages*

- Python (Self taught)
- D (Self taught)
- Java (University)
- C (Self taught, University)
- Lua (Self taught, University)
- R (University)

### *Databases*

- MySQL (University)
- MariaDB (Self taught)
- PostgreSQL (Self taught)

#### *VCS*

- Git (Self taught)

#### *Code Review*

- Phabricator (Self taught)
- Github (Self taught)
- Gitlab (Self taught)

#### *Operating Systems*

- Familiar with the Linux operating system, kernel, shell
- Currently using Gentoo on my personal computer
- Advanced programming in the Linux environment

#### *Most relevant books read*

- E. S. Raimond, The Art of Unix Programming
- J. Kurose, K. Ross, Computer Networking: a Top-Down Approach
- Brian W. Kernighan, Dennis M. Ritchie, The C Programming Language