

Theodore Tsirpanis

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EDUCATION

BSc. Applied Informatics
UNIVERSITY OF MACEDONIA
GPA: 8.35/10

Thessaloniki, Greece | 2018-2023

MILITARY OBLIGATIONS

Deferred until Dec. 2027

WORK EXPERIENCE

TILEDB INC. | SOFTWARE ENGINEER

Remote | October 2022 -

- Member of the Core team maintaining the [TileDB Embedded](#) storage engine, [contributing](#) to various areas of the C++ codebase, that introduce new features, reduce technical debt and fix important bugs.
- Also maintaining the [C# API](#) to TileDB. [My contributions to it](#) include achieving feature completeness, and improving the development and deployment experience.

SELECT PERSONAL PROJECTS

FARKLE [↗](#)

F#, SIGOURNEY, SCRIBAN

An easy to use and fully featured LALR parsing library for C# and F#. Highly optimized using techniques such as ahead-of-time grammar table generation.

DAYGAME [↗](#)

C#, WINDOWS FORMS

A gamified task organizer written as part of a university group project with nine classmates. Was deemed one of the two best projects of the year. [↗](#)

SIGOURNEY [↗](#)

C#, MSBUILD, MONO.CECIL

A toolkit that helps writing .NET assembly weavers (build system components that modify assemblies after compilation). A slimmer alternative to [Fody](#) with a clearer licensing model. Used in a couple of my personal projects.

PUBENO [↗](#)

F#, WEBSHARPER, BULMA, NETLIFY

Calculates the Greek university admission exam score. A very lightweight static site, its logic was written in 100% F# and transpiled to Javascript.

OPEN-SOURCE CONTRIBUTING

For half a dozen years, I contribute in my free time on various open-source projects, filing in total more than 500 pull requests. I have been participating in the [Hacktoberfest](#) challenge every year since 2016. I have also been a [community triager](#) in the dotnet/runtime GitHub repository since 2021.

AWARDS

GOOGLE HASHCODE [↗](#)

2019, 2020, 2021

With a team of classmates, I have participated three times in the Google Hash Code competition, finishing every time first among the university and within the top 10% in Greece and globally.

SKILLS

I am fluent in C# and F#, the two primary languages of the .NET ecosystem, on which I have a fair level of intimacy. I particularly enjoy writing high-performance code and integrations with the MSBuild build system, as I have done on a couple of my projects.

Apart from .NET, I have an intermediate-level knowledge of C++, CMake and vcpkg, and beginner-level knowledge of Java, HTML, CSS and JavaScript.