

# Theodore Tsirpanis

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## EDUCATION

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

Thessaloniki, Greece | 2018-2023

## WORK EXPERIENCE

**TILEDB INC. | SOFTWARE ENGINEER II**

Remote | October 2022 -

- Maintainer of the [C# API](#) to TileDB. [Achieved](#) feature completeness with the native library and improved the development and deployment experience.
- Worked on the [TileDB Embedded](#) storage engine, [contributing](#) to various areas of the codebase, which introduce new features, reduce technical debt, and fix important bugs.

## 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 have contributed to various open-source projects, submitting in total more than 500 pull requests. I have been participating in the [Hacktoberfest](#) challenge every year since 2016. I am 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 my 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, where 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 intermediate-level knowledge of C++, CMake and vcpkg, and beginner-level knowledge of Java, HTML, CSS and JavaScript.