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Personal Information

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Projects

UniMelb Timetable Generator (C#, .NET, ASP.NET)

A website that allows University of Melbourne students to enter their subjects and have a timetable generated for them. The generation algorithm has been optimised to allow for upwards of billions of possible permutations to be tested, with each timetable sorted according to quality.

<https://timetable.ruar.ai>

Compile Pal (C#, .NET, WPF)

Utility for Source level designers that places a modern WPF UI over outdated command line tools. Has established a consistent userbase of over 250 active monthly users over the last year and a number of active contributors on GitHub.

<http://compilepal.ruar.ai>

Trigrad (C#, C, .NET)

An experiment in image compression using triangle meshes. Uses .NET's multithreading along with OpenCL's GPU acceleration to have optimal performance. Received [recognition](#) on Hacker News.

<http://trigrad.ruar.ai>

Education

University of Melbourne

Bachelor of Science (Computing and Software Systems)

Expected graduation on November 2019

WAM: 81.5 Computing Subjects, 78.33 All Subjects