

Mathieu Paturel
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04 024 250 15
Zetland, Sydney, NSW
UNSW student, Physics/Software Engineering

Experience

Teaching Assistant, PHYS1121

2021, University of New South Wales, class of ~50 students

Private Tutor HSC Physics

2021, year 12 student

Git Graph Visualiser

2021, web app that gives users a terminal to play with a git repository, and displays the commit graph on the right. Contains docker container management code (one container is started up per session) and some logic to display the commit tree on a <canvas>. Typescript, Go.

Teach Learn Grow, Volunteer Mentor

2021, mentor for rural year 5-6 students. Demystifying high school, talking about the growth mindset and teaching about cybersafety.

2021, mentor for rural year 5-6 students. Talking about road safety.

Team-maker web app

2021, React, Python backend, SQLite.

Web demo to explain pointers in C to fellow students

2020, contains a simplistic c-like interpreter that can run line by line, and some non-trivial UI to represent pointers in memory.

Git implementation (university course)

2020, Implemented a subset of Git in shell script, 97/100

Private Tutor HSC Physics

2020, year 12 student

Contribute to open source projects

2019, hypothesis (fuzzing in python)

2019, python-trio (structured concurrency)

Presentation about structured concurrency (python-trio)

2019, at the Canberra Python User Group

Bug Bounty Award

2018, \$200, high severity bug bounty, issue in <http://dev.to> markdown parsing code that allowed cross-site scripting.

Contribute to open source project devdocs

2018, wrote a scraper for the pygame documentation

MarkdownLivePreview

2016-2017, 100k+ installs Sublime Text plugin, python

Awards

The Faculty of Science Dean's List

2020, for academic excellence

The Faculty of Engineering Dean's Award

2020, For the best performance in Year 1, 2 or 3 in the Bachelor of Engineering program

Bronze Award Australian Informatics Olympiad

2018, Senior Division

Extracurricular

Regional cross country representative

2019, South Coast

Start self-teaching programming

2015, python

Native French speaker. Fluent in English.