

First year UNSW student passionate about programming

4 years of programming experience (self-taught)

Achievements & Extracurricular

- Author of sublime text plugin **103k** installs (MarkdownLivePreview - python)
- **Bug Bounty** High Risk \$200 AU reward dev.to - ruby codebase (2018)
- Presentation about **structured concurrency** at Canberra Python User Group (2019)
- **Bronze award** at Australian Informatics Olympiad, Senior Division (2018)

- Cross country **CHS (state) representative** (2019)
- National Mathematics Summer School (2018)
- Honeywell Engineering Summer School (2018)
- French tutoring (2016-2018)

Self education highlights

- | | |
|------|---|
| 2018 | Game development <ul style="list-style-type: none">• Pacman-like https://github.com/math2001/pacman (Python, pygame)• Start of multiplayer game https://github.com/math2001/nine43 (Python, concurrent, trio, networking) |
| 2017 | Sublime Text Plugin Development (Python): <ul style="list-style-type: none">• FileManager (https://github.com/math2001/FileManager)• MarkdownLivePreview (https://github.com/math2001/MarkdownLivePreview) Created static blog (https://math2001.github.io) with Hugo |
| 2016 | Start learning about web development (front end, then backend in PHP) |
| 2015 | Start learning about python with pygame (game development) |

Skills

Web development:

Back-end:

Linux: ssh, unix

PHP/Go: MVC

SQL: MySQL, Postgres

Front-end:

HTML5, CSS3, JS (ES6)

React, Service Workers

Figma (design)

Python:

Game development (pygame)

Concurrency (trio, asyncio)

Network: DNS, IP, DHCP...

VCS: git, GitHub

Most of my work is hosted on GitHub:

<https://github.com/math2001>

Official education

French education

2015 Australian education from Y9 to Y11

2019 Year 12 at Mulwaree HS (Goulburn)

- Extension Mathematics (1 & 2)
- Advanced English
- Physics
- Investigating Science

Languages

French Native tongue

English Fluent

German Basic

Other interests

Piano

Improvisation - boogie/blues. Played for 10 years.

Sports

Fitness (3 times a week), running mostly

Mathematics/Physics

Thinking about logical problems, for its own sake.

Referees

Zac Hatfield Dodds - Researcher, 3A Institute, ANU

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Mrs Ferme - Mathematics Headteacher, Mulwaree High School

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Mereki Leten - French tutee

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