

# Lorenzo Grillo

Sydney, AU   [lgrillo0413@gmail.com](mailto:lgrillo0413@gmail.com)   0481 387 110   [ignisnl.github.io](https://ignisnl.github.io)   [linkedin.com/in/lgrillo0413](https://linkedin.com/in/lgrillo0413)  
[github.com/ignisnl](https://github.com/ignisnl)

## Technologies

**Languages:** C, C++, Java, SQL, Rust, Python, Shell, JS, TS, Haskell, MIPS assembly

**Frameworks and tools:** ReactJS, Docker,  $\LaTeX$ , Git

## Education

- BSc   University of New South Wales (UNSW)**, Computer Science   Feb 2021 – Jan 2025
- **Distinction** average - **83.125** WAM
  - 2021 Dean's Honour List (Engineering faculty)
  - Notable COMP course marks available at [ignisnl.github.io/marks](https://ignisnl.github.io/marks)
- Sydney Grammar School**, Higher School Certificate   Jan 2015 – Nov 2020
- **98.35** ATAR
  - Holder of the **Alistair Mackerras Scholarship** - one of 24 full, 6-year academic scholarships
  - Academic Exhibition - award for **High Distinction** average

## Projects

- Self-sovereign identity (SSI) system libraries**   June 2024 – July 2024
- Capstone project - collaborated with 4 final-year CS students to deliver client-focused solution for CyberSec research student
  - A full implementation of 3 components of an SSI system - business logic in Python for the credential holder's wallet, the issuer's issuance system, and the verifier's presentation handler, and an example wallet frontend in ReactJS
  - Consulted with a client to clarify project requirements and negotiate specific SSI credential protocols required for specific milestones
  - Executed upon all requirements within 3 sprints of 3 weeks each, ensuring procedure-related improvements discussed in post-sprint reflection meetings were implemented
  - Source code at [github.com/the-cs-goons/capstone-project](https://github.com/the-cs-goons/capstone-project)

## Experience

- UNSW**, Casual Academic   Kensington, NSW  
Feb 2025 – present  
2 months
- Tutor for 2 weekly classes of 10+ students and assistant for 3 weekly help sessions for COMP6991 - "Solving Modern Programming Problems with Rust"
  - Regularly read and responded to posts on internal course forum, providing valuable insight to students struggling with new topics
  - Developed multiple course improvements, including altering confusing wording and variable names in weekly exercises, and suggesting structural changes to classes to improve student engagement
  - Developed and discussed changes to framework setup tutorials for students, leading to fewer technical issues to be resolved within classes
- Seek Pass (formerly Certsy)**, Verification Officer   North Sydney, NSW  
Sept 2022 – Mar 2024  
1 year 7 months
- Inspected and processed 800+ credentials per day against government databases in a secure and efficient manner
  - Advocated for and benchmarked improvements to the Verification Officer work-

flow such as improved tracking of completed credentials and automated credential switching

- Provided training data for ML-powered parsing of Australian Driver's Licences (reduced no. manual verifications needed by >50%)
- Constructed flowcharts for multiple document verification workflows for use in internal documentation

**Amici Ristorante Pizzeria**, Waiter and Technical Assistant

Cammeray, NSW  
Dec 2021 – Sept 2022  
10 months

- Set up and managed restaurant website and online ordering page viewed by 3,000+ visitors a month
- Provided high-quality customer service to 30+ customers per night while taking online and phone takeaway orders
- Provided delivery services in the local Lower North Shore area, servicing up to 20 orders per night

**Dymocks Tutoring**, Tutor and Content Writer

Parramatta, NSW  
Jan 2021 – Nov 2021  
11 months

- Developed lesson plans for and conducted 3 weekly lessons, each with 5+ students, for Mathematics curricula from primary to HSC level
- Produced tailored lesson and homework plans to cater to the differing abilities of students within each class
- Identified and communicated students in need of particular attention to support team, collaborated with team to develop special education plans and adjust for different levels of proficiency and study styles

## Extracurricular Involvement

---

**UNSW Tabletop Games Society**, Events Subcommittee Member

Kensington, NSW  
Mar 2022 – Feb 2023

- Assisted new and returning students at weekly boardgame events attended by 20+ in learning how to play in-depth boardgames and utilise advanced strategies
- Regularly attended weekly meetings to learn new boardgames in order to broaden scope for recommendations and tips
- Collaborated with other Subcommittee members to supervise out-of-campus events such as picnics and movie nights

## Skills

---

- Program safety and correctness
- Algorithm design
- "Informal" verification methods
- Static program semantics
- Systems-level programming
- RESTful API design
- JS frontend frameworks
- Functional programming
- API design and refactoring
- Set-up and use of CI/CD technologies
- Efficient use of version control software (Git)
- Agile methodology - Sprint/Scrum teams
- Effective communication and team collaboration in work environment settings
- Eagerness to complete work according to strict and structured protocols
- Meticulous attention to detail
- Highly adaptable to flexible and changing stakeholder requirements
- Avid collaborator who is eager to share and iterate upon ideas with team members

# References

---

Available upon request.