Tham Le

thamle.work@gmail.com | linkedin.com/in/tham42 | github.com/tham-le | thamle.live | 42

Quick learner who enjoys new challenges. Rapidly masters new skills to solve problems and get results in different roles.

TECHNICAL SKILLS

Languages: C++, Python, C
Frameworks: Django , React, Vue.js, Flask, REST API
Libraries: pandas, NumPy, Matplotlib

EXPERIENCE

C++ Development Engineer — Palaiseau
Snowpack — *Aug 2024 – Jul 2025*
- Led C++ SDK update with successful WebAssembly PoC, enabling SDK features in web browsers
- Built cross-platform (C++, Android, iOS) data consumption measurement tools; authored and executed data limit specifications
- Ensured quality via multi-platform beta testing (Android, macOS, ARM64); identified critical bugs for rapid fixing
- Enhanced CLI with MFA & service listing; improved log management for memory safety & bug reporting
- Key collaborator in multicultural, English-speaking engineering team, meeting release objectives

Research Intern — Gif-sur-Yvette
LSCE- CNRS & CEA — *Feb 2021 – Aug 2021*
- Modeled ocean mercury distribution (IPCC climate models), contributing to global pollution research
- Automated Python data processing pipelines for oceanic mercury predictions

Research Intern — Hanoi, Vietnam
LOTUS Lab.- IRD FRANCE — *May 2019 – Aug 2019*
- Analyzed regional ocean models (MATLAB) for numerical simulations & data analysis

Research Intern — Bordeaux
EPOC Lab.- Univ. of BORDEAUX — *Jul 2017 – Sep 2017*
- Data visualization of oceanographic data using Ferret tools for scientific data exploration

EDUCATION

42 Paris — Paris
Digital Technologies Architect (RNCP Level 7, Master's Equivalent) — *2022 – Exp. Aug 2025*
- Ranked Top 10 in 'piscine' (500+) & Top 20 in Common Core (800+)
- Peer-to-peer software engineering: C/C++, Python, Linux, Docker, OOP...

Aix Marseille University — Marseille
M.Sc in Marine Science — *Sep 2019 – Jun 2021*
- Oceanographic modeling & remote sensing; Python, R, Fortran for data analysis/simulation

PROJECTS

Inception - Docker System Admin | *Docker, Nginx, MariaDB, WordPress, Linux*
- Engineered a resilient, containerized infrastructure for a multi-service web application (WordPress, Nginx, MariaDB) on Linux using Docker Compose

Transcendence - Full-Stack SPA & 3D Game | *Django, Python, PostgreSQL, JS, WebSockets*
- Architected and developed a full-stack SPA using Django (Python) for a scalable backend API and Vanilla JavaScript with Three.js for an interactive real-time 3D multiplayer gaming experience; PostgreSQL for data persistence, utilizing WebSockets for low-latency communication

ft_irc - RFC Compliant IRC Server | *C++, Sockets, TCP/IP*
- Developed a C++ IRC server from scratch, strictly adhering to RFC 2812. Implemented a non-blocking I/O model using `poll()` for numerous simultaneous client connections

Adv. C Graphics (Ray Tracer & Fractal Explorer) | *C, pthreads, MiniLibX, 3D Math*
- Implemented advanced 2D/3D graphics rendering engines in C: a multithreaded ray tracer capable of complex scene generation with Phong shading and recursive reflections; and a high-performance fractal explorer utilizing pthreads for significant parallel computation speedups and advanced visualization features

ACTIVITIES

Cybersecurity Foundations Cert. (Google)	*Jan 2025*
Google init.g() (Cybersecurity, AI); Google Hardware Hackathon	*Oct 2024*
CTF Competitions: HeroCTF, IrisCTF, HTB...	
DigHacktion Hackathon, InnovHer Hackathon (Developed EMA app (Health Tech)	*2024*
Microsoft "Anyone Can Code" (Azure, AI)	*2023*
42 Paris Tutor	*2023-2024*