Giovanni HONAKOKO

Engineer student

Graduate student looking for an internship of 16 weeks in your company to pursue his master degree in engineering in Mathematics and Computer science during the spell of April to July 2026.

Age : 23 **Mail :** honakokogiovanni@outlook.com **Tel :** +33 07 49 39 00 20

Licence : B **Github :** https://github.com/giovannihnk **Adress :** 06560 Valbonne

Computer science expertise

Software : Proteus, Illustrator, Inkscape, SolidWorks, FL Studio

Programming Languages : C/C++(Very good), Python(Very good), Matlab(Very good), LateX(Very good), R(Good), Java(Very Good), Linux (Good), SQL (Intermediate)

Education

Current **Graduate School of Engineering, Sophia-Antipolis, University Côte d'Azur France.**
Diploma in "Mathématiques Appliquées et Modélisation" (M.A.M) – a first-year Master's degree in engineering specialized in Applied Mathematics and Modelling.

2021-2024 **Double degree in Mathematics, CUPGE program Mathematics-Physics, University of New -Caledonia, Nouméa, New -Caledonia**
CUPGE (Cycle Universitaire Préparatoire aux Grandes Écoles): Preparatory Classes for national competitive entrance exams to leading French Grandes Ecoles (graduate schools), specializing in Mathematics and Physics. Equivalent to a 'BS' Levels.

2017-2020 **High school of Mont-Dore, New-Caledonia.**
Baccalauréat "S" (scientific subjects, equivalent to British 'A' Levels or American High School Diploma).

Language

French : Native
English : Very good (B2), T.O.E.I.C® - Test Of English for International Communication score: 830/990
Drehu : Elementary
Arabic : Elementary

Experiences

May 2024 — **Barman at Il Ristorante, Antibes**
Set up the bar, prepare cocktails and manage resources.

Dec 2023 — **Interim | Construction site labour force, Koumac, New-Caledonia**
Participation in various construction projects, slab pouring, barrier construction, and building infrastructure construction.

Jan 2023 — **Intership at IFREMER | Thesis assistant : Marine heatwaves in New Caledonia**
Analysis of data from sensors in the Caledonian lagoon and comparison with satellite data from the same areas. Estimation and study of the areas most affected by marine heatwaves in New Caledonia.

July 2018 — **MATHC2+ Internship | Introductory to Abstract Mathematics, New Caledonia**
Introduction to Advanced Science, Calculus, Number Theory, and Astronomy.

July 2018 — **Introductory course to careers in the mining sector, Tiébaghi, New Caledonia**
Tour of the Tiébaghi mining sites, discovering the different centres and professions.

Projects

Current — **Simulation of a quantum processor**
Introduction to quantum mechanics and control theory. Creation of a basic portal and Qubit simulation. Still in progress.

June 2025 — **Machine Learning Project**
Used a dataset of digit images (0–9) from a Python library. Designed and trained a neural network for digit classification. Preprocessed and normalized image data to optimize learning. Evaluated model performance and tuned hyperparameters for improvement.

Sept 2025 — **Linear Solver Project C++**
Resolution of large-scale linear systems of the type Ax=b using object-oriented programming formalism. Implementation of the Gauss-Seidel, Jacobi and SOR methods.

Jan 2022 — **Study on the sum of the reciprocals of the sequence of prime numbers**
Study of the behaviour of the series of prime number inverses and analysis of scientific articles.

Reference

Jean Baptiste Caillau
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