

# Maël Charpentier

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📄 [mael-charpentier.github.io](https://mael-charpentier.github.io)

🐙 [mael-charpentier](#) **in** [MC](#)

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## Education

### University

2021– **Université de Montréal**, *Montréal, QC, Canada.*

BSc Mathematics and computer science

### College (CEGEP)

2018–2021 **Collège Stanislas**, *Montréal, QC, Canada.*

- Terminale : Mathematics and computer science

- French Baccalauréat, mention très bien + DEC

- 1ère : Mathematics, physics and computer science majors

- 2nde : Cryptography option & Member of the robotic club - *6622 Stan Robotix*  
DES

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## Prices, Grants and awards

2023 **NSERC** Undergraduate Student Research Awards (USRA), for a internship in bioinformatics at udem (decline)

2022 **NSERC** Undergraduate Student Research Awards (USRA), with an additional **FRQNT** grant

2022 Excellence Scholarship **DCSOR-DIRO**

2022 **Proyecto Garambullo** Grant (Laboratorio de arte y cultura del semidesierto)

2021 **OBVIA** (International Observatory on the Societal Grant Impacts of AI and Digital Technology)

2021 Mathematics competition (**Concours Général**, France)

**Purple Comet** challenge - mathematics challenges in teams

**Recognition Award** (Prix reconnaissance), Collège Stanislas

2020 **Academic Achievement Award**, Collège Stanislas

2019 **TORCH** (*The Operations Research Challenge*) competition - (6th/35)

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## Projects

summer 2023 **Creation of a LSP for P4**, supervised by Sébastien Mosser (McMaster University).

2022-2023 **BLINX Project : integration of sensors, with microcontroller, to the web application Codeboot**, supervised by Marc Feeley (UdeM).

2021-2023 **Proyecto Garambullo**, supervised by Manuel Morales (UdeM).

**Languages** Python, R,  $\text{\LaTeX}$ , langage web (php/html/css/js), base de donnée (SQL, MySQL), Java, C++, Rust, Haskell, Bash, et autres

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## Conference participation

2023-2024 Formation Calcul Québec

2021-2023 Formation Quantum computing

January 2022 Presentation of the Garambullo project at the CIMAT Hackathon (Guanajuato, Mexico)

August 2021 CRM Langlands Summer School (Prof Dimitris Koukoulopoulos & Yoshua Bengio)