Juan David Guerra

@ juan.guerra@mail.mcgill.ca

Montreal, Canada

+1-416-564-4604

EDUCATION

McGill University   Montreal, QC
B.Sc. Honours Computer Science with a Minor in Neuroscience   Sep 2020 - May 2024

- **Cumulative GPA:** 3.69 / 4.0
- **Relevant Coursework:** Artificial Intelligence; Probability Theory; Linear Algebra; Multivariate Calculus; Honours Algorithms & Data Structures; Discrete Structures; Operating Systems; Software Design;
- **Prizes and Awards:** Quebec Excellence Bursary for Computer Science (2021);

Upper Canada College   Toronto, ON
International Baccalaureate Diploma & Ontario Secondary School Diploma   Sep 2015 - May 2020

- **Grade-Point Average:** 35 / 42 (IB) and 94% (OSSD)
- **Prizes and Awards:** Lang Scholar Prize for Athletic and Academic Achievement (2020); General Proficiency Award for Academic Standing (2019); Cayley Waterloo Math Contest Certificate of Distinction (2019);

RESEARCH

Department of Physiology   Montreal, QC
McGill University   Jun 2022 - Ongoing

- Working as a summer researcher and research assistant under the supervision of Professor Erik Cook
- Investigating correlations between visual stimuli and activation in mouse LGN
- Z-plane motion correction for two-photon imaging of neural activity in awake behaving mice

RELEVANT EXPERIENCE

Mental Health Coordinator   Montreal, QC
McGill Science Undergraduate Society   May 2021 (Ongoing)

- Researching mental health issues, policies, and activities among North American Universities
- Organizing projects (e.g., mentorship programs) to improve students' mental health at McGill University

Back-End Developer   Montreal, QC
McHacks (McGill University Hackathon)   January 2022

- Developed an application called 'Study Buddy' in Java for students to organize course-related events
- Set-up databases in SQLite to store and manage event-related data queries

INTERESTS

- **Concentrations**: Data Science; Artificial Intelligence; Computational Neuroscience;

- **Technical Skills**: Python; Java; MIPS; Matlab; C; Bash; Git; UNIX; OOP;

- **Languages**: English; Spanish; French;

- **Personal**: Volleyball (Coach and Team Captain); Music;