

Jonathan Papineau

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github.com/jonapap

Education

- **University of Ottawa, Major in Computer Science (2019 - Ongoing)**
 - CGPA of 10
 - Received a 98.08% grade in the "Introduction to Computing I" course
 - Received an admission scholarship for a 96% admission average
- **École secondaire catholique de Hearst (2015 - 2019)**
 - Received the Governor General's Academic Medal for an average of 96%

Skills

- **Programming Languages**
 - **Python:** Used to solve various programming problems seen in class
 - **C++:** Developed programs for use in autonomous robots
 - **JavaScript, HTML/CSS, PHP, SQL:** Developed a web application at a previous job
 - **Java:** Used in personal projects and to solve various problems seen in class
- **Programming Tools/Software**
 - **Unix-like operating systems (Linux, FreeBSD):** Used extensively in personal/educational projects, for example, FreeNAS, OpenWRT, Raspberry Pi, and Ubuntu as a development environment
 - **Networking:** Gained understanding of computer networks while doing personal projects, such as FreeNAS, OpenWRT, OpenVPN, and web servers
 - **Cloud Platforms:** Used Google Cloud and DigitalOcean VPS in various projects
 - **Virtualization:** Used FreeBSD jails and VirtualBox in personal projects
 - **Git/SVN:** Used in personal and work-related projects for version-control and helping in collaboration
 - **Eclipse:** Used frequently to develop in Java, Python and C++
- **Other Tools/Software**
 - **MS Word/PowerPoint/Excel:** Used frequently in everyday life, school projects, and previous jobs
- **Communication**
 - **Bilingual:** Fluent speaking and writing in both French and English

Experience

- **Information Technology Intern, Datacloud Networks (July 2018 - August 2019)**
 - Developed a web application using HTML, JavaScript and PHP to coordinate student's coop at the University of Hearst
 - Used GIS (Geographic Information System) tools to plan and coordinate fibre optic installation for an FTTH network
 - Collaborated with other team members to develop a web application
 - Managed my work independently, with minimal supervision
 - Wrote progress and product recommendation reports

- **Lifeguard, Town of Hearst (September 2017 - June 2019)**
 - Responsible for assuring the security of pool users
 - Gained valuable communication skills when interacting with pool users to enforce rules and educate them on safety measures
 - Supervised swimmers of varying ages and skillsets
 - Taught swim classes for elementary school students
- **Robotics Team, Hearst High School (September 2017 - June 2019)**
 - Involved in the designing and building of a robot based on criteria for the Skills Ontario, Robotics Team of 4 Competition
 - Designed and programmed (using C++) autonomous robots which accomplished various tasks for the Skills Ontario Competition. See my Github ([link top of the first page](#)) for the code.
 - Represented the school at the Skills Ontario competition for two consecutive years; Won 2nd place both years
- **Rocketry Team, uOttawa (September 2019 - Ongoing)**
 - Built and programmed (using C++) a drone which will detach from a sounding rocket mid-flight and land autonomously
 - Currently building a Python application for the CAN-RGX competition. This app will be in charge of collecting sensors' data, monitoring the experiment, and controlling various components on user request.