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LOOKING FOR AN INTERNSHIP

STUDENT IN 4th YEAR IN COMPUTER ENGINEERING - FRENCH BILINGUAL -

As part of my studies at the University of Ottawa, I am looking for an internship from september to december 2020, for a duration of at least 14 weeks.

My work experience is mainly focused on **web development**, I am also trained and interested to work in other computing fields (**network**, **cyber-security**, **simulation** / **3D** / **video-games**).

FORMATION

2017 - Today : Bachelor of Applied Science in Computer Engineering (work-study) University of Ottawa, Ottawa (Canada)

2014 - 2017 : High School Diploma in Science

Marguerite de Valois' High School, Angoulême (France)

LANGUAGES

French: Native Language

English: Bilingual Spanish: School level Russian: Basics

PROJECTS

Used WAMP, MySQL and phpMyAdmin.
Created tools for courses and

Created tools for courses and repetitive tasks.

Cloned simple games.

Video-game development

Experimental projects in **Unity** with use of **Blender**.

Research and programming of video-game related **algorithms**: shortest path, collision detection, calculation of forces on objects...

Created a game engine to simplify and standardize development; extensive knowledge of Canvas to create video-games and graphs using Javascript.

Video-game player.

WORK EXPERIENCES

2020/01 - 2020/05 : Web developper (Front-end) - National Research Council (NRC) (Ottawa - Canada)

Worked in a team as part of the construction and energy department, learned about the use of energy in buildings and climate change challenges.

Developped tools to visualize and analyse data on a website, using the d3.js library. Used Java to create new endpoints for data.

2019/05 - 2019/09 : Web developper (Fullstack) - Datacloud Networks (Hearst - Canada)

Web development (main task): used MySQL for the database, PHP for the back-end. IPTV project: searched and contacted new partners and sellers, installed antennas and visited installation sites, learned about the different facets of IPTV, wrote reports. Android development: developed a proof-of-concept Android application to get GPS data.

2018/06 - 2018/07: Client support - Schneider Electric (Angoulême - France) Helped in client support, created a database to make issue solving easier. Learned about UL / CSA / IEEE standards.

SKILLS AND TECHNOLOGIES

Software

- Web: Web languages (html, css, js), front-end libraries (JQuery, d3.js, Bootstrap, Font Awesome) and back-end languages (PHP, Java).
- Database: Used MySQL in a professional environment, used SQLite and Firebase for an Android application in a school project.
- Java: Concurrency and multi-threading, semaphores.
- *C / C*++ : Creation of processes and pipes.
- Android: Application testing using Espresso and CircleCI, implemented a database, used GPS functionalities.
- Go: Concurrency with goroutines and pipes, semaphores.
- Python / Matlab / R : Basic use for classes.
- *Prolog / Scheme* : Course on the different programming paradigms.
- Version control: Used GitLab, Subversion SVN and Tortoise SVN in a professional environment, used GitHub for personal and groups projects.
- Networks and communications: Used network analysis tools like Wireshark and Packet Tracer for a course.

Hardware

- VHDL / Assembly / C : Used low-level languages to program Altera DE2-115 cards.
- Arduino: Workshop and small experiences on the Arduino Uno card.
- Soldering
- 3D printing

Operating systems

- Windows : Daily use.
- Unix: Used Ubuntu for Windows and a Kali VM.