Thomas Delev

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EDUCATION

University of Ottawa   Ottawa
Bachelor of Applied Science in Computer Engineering   *2019 – In progress*
- Dean's list 2020
- GPA: 9.42/10

University of Ottawa   Ottawa
Bachelor's Degree in Science with Specialization in Physics   *2015 – 2019*
- Graduated Summa Cum Laude
- Dean's list 2016-2017-2018-2019
- GPA: 9.63/10

Cégep de l'Outaouais   Gatineau
College degree in Natural Sciences   *2013 – 2015*

Collège Saint-Alexandre de la Gatineau   Gatineau
High School Diploma   *2008 – 2013*

EXPERIENCE

Information Technology Programmer   2019 – 2021
ESDC - Employment and Social Development Canada   *Gatineau, part-time/full-time*
- Online questionnaire programming within the Innovation, Information and Technology Branch of ESDC. Implementation of CSS and JavaScript code within HTML and XML to develop various functionalities.
- Revision of other programmers' code before launching in production to ensure proper functionality and code quality.
- Process automation in Excel using VBA to automatically extract surveys data and to generate custom reports.
- Elaborate a plan with the client to target their needs, develop the code and maintain it.

Information Technology Business Analyst   2010 – Present
Microrama Informatique   *Gatineau, part-time/full-time*
- Implementation of Microsoft SharePoint and Office 365 within the company. Programming of functionalities using Power Apps in SharePoint.
- Creation and maintenance of the company's website using WordPress.
- Remote troubleshooting for various devices (tablet, PC, cellphone, etc.) and software (e.g. Zoom). Guide clients in the choice of services (e.g. internet service provider package) and equipment needed to meet their needs.
- Hardware, software and network troubleshooting, diagnostics and resolution of client issues. Assemble the various peripheral devices of a computer. Installing antivirus software, operating systems and office.

IT Technician   2016 – 2017
University of Ottawa   *Ottawa, part-time/full-time*
- Preparation and configuration of computer systems to be deployed in the Faculty of Science teaching laboratories and for the teachers and support staff.
- Built a custom Ubuntu image for the Faculty of Science to deploy on multiple computers.
- Software and hardware support including some programming. Networking technologies support and implementation.

Research

Research Student in Medical Physics 2018 – Present
with Adjunct Research Professor Dr. Elsayed Ali *The Ottawa Hospital Cancer Center, Ottawa*

- Development and training of an Atlas-based segmentation algorithm to automate the bowel bag contouring process.
- Evaluation and numerical analysis of new guidelines for regions delineation on CT images.
- Using Matlab to implement algorithms for metrics to quantify observer variability in contouring the bowel bag on CT scans.
- Guest speaker:
    * Kelowna 2019 - Canadian Organization of Medical Physicists Annual Scientific Meeting.
    * McGill University 2019 - Canadian Physics Student Conference.
- Harold Johns Studentship

Neurophysics research student 2017
with Professor Dr. André Longtin *University of Ottawa, Ottawa*

- Studying and modelling neurophysics behaviours of the weakly electric fish.
- Modelling, in COMSOL, the electric fish behaviour and analysis of the electric signal in Matlab.
- NSERC Undergraduate Student Research Award.

Teaching Assistant

CEG2536 - Computer Architecture I Fall 2021
University of Ottawa, Ottawa

- Conducting laboratory sessions for a class of 80 students. Assisting the teacher in the correction of laboratory reports and exams.

Volunteer

Volunteer 2017 – 2019
Maison Mathieu-Froment Savoie Palliative Care Center, Gatineau

- Assisting nurses in the various physical care of terminally ill patients. Preparing healthy meals for the patients.

Volunteer in a humanitarian program Summer 2014
Canada World Youth, Indonesia

- Raising awareness of health and hygiene. Upgrading of sports facilities in a community. Community and river cleaning.

Skills

Programming Languages: Java (advanced), Python, JavaScript, HTML/CSS, C, VBA
Hardware Description Languages: VHDL, Verilog
Languages: French oral and writing (advanced), English oral and writing (advanced)
Tools and Software: Latex, MS Office (Excel, Word, PowerPoint), Maple, Matlab, Android Studio, WordPress
OS: Windows (advanced), Linux, Mac OS, Android