

Andrea D'Arceuil

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SOFTWARE DEVELOPER

- **Graduate of Fanshawe College Computer Programmer Analyst Advanced Diploma Program.**
- **Consistently commended by professors** in both technical and non-technical courses for hard work and outstanding effort.
- **Robust knowledge of object-oriented programming** including data structures and algorithms, encapsulation, constructors, custom classes, polymorphism, interfaces, Unit Testing and effective debugging using C++ and C#.
- **Sound knowledge of Relational Databases Management** including logical modeling, normalized database design DDL, DML in Oracle and SQL Server. Academic credentials in database management reinforced through prior professional experience managing Spatial databases.
- **Excellent knowledge of web design principles and industry standards** including flat design, SEO the DOM, using JavaScript, JQUERY, Rest API, JSON, HTML and CSS to design professional websites and client-server applications.
- **Strong professional reputation as a problem solver**, fast-learner and team-player. I strive to provide innovative solutions to complex problems.

Education

Advanced Diploma Computer Programmer Analyst with Co-op

01/2018-12/2020

Fanshawe College, London ON

Cumulative GPA: 3.943/4.20

Date of completion: December 2020

Courses successfully completed in Level 1 through 6:

- **Programming languages:** C++, C#, Java, TypeScript, PHP, JSON, Python.
- **Frameworks/Stacks/Libraries:** Vue.js, Laravel, ASP.NET, Android SDK, .NET, Node JS, React, React Native
- **Database Management:** Oracle RDBMS, SQL Server, MS Access, MySQL
- **Web Design:** HTML5, CSS, the DOM, XML, Bootstrap, JavaScript
- **Systems:** Operating System Fundamentals.
- **Networking:** Networking Fundamentals
- **Business and Professional Development:** Organizational Behavior (Understanding Workplace behavior and culture), Strategies for Success, Business at the Speed of Light.
- **Data Structures and Algorithms:** Object Oriented Programming
- **Software Design Patterns (Gang of 4)**
- **Mobile development intro and Advanced (Android SDK Java, Kotlin and React Native)**
- **Managing Software Projects-Applied intro and advanced (Agile)**
- **IT & Cybersecurity:** Secure Computing
- **AI and Machine Learning:** Emerging Technologies (Machine Learning, Natural Language Processing)

Skills

- | | | |
|--|------------------------------------|--------------------------|
| ▪ Problem Solving | ▪ Strategic Planning and Execution | ▪ Self-motivated |
| ▪ Team Building & Leadership | ▪ Issue prioritization | ▪ Time Management |
| ▪ Internal and External Communications | ▪ Judgment and Decision Making | ▪ Reporting and Analysis |

Professional Experience

Volunteer Lead Instructor

09/2020

Canada Learning Code London Chapter, London Ontario

- Volunteer Lead Instructor for teaching relational database concepts and SQL at Ladies Learning Code Day

Co-op/Intern Associate

06/2020-08/2020

TD Canada Trust London Ontario (Remote)

- Used SQL Server Integration Services (SSIS) for Extract Transform and Load Procedures against Canadian Fraud Analytics Database CFAD
- Used SQL Server Audit tools against CFAD for reporting
- Used MS Excel for data cleaning and reporting
- Made data edits in ServiceNow® database

Junior Web Developer Co-op

07/2019-12/2019

HRdownloads London Ontario

- Worked collaboratively with senior developers and in-house teams to provide rapid and robust front and back-end web development optimizing user experience.
- Created and modified features with keeping in mind cross-browser compatibility, mobile responsivity using PHP Laravel 5, Vue.js framework, HTML 5, CSS, Saas, MySQL, Php, NPM, VSCode.
- Used Git for version management and the associated workflows i.e. branching, merging and conflict resolve
- Used Devops technologies like Docker for building and deploying containers
- Worked with Element IO desktop UI to develop a responsive application which works with mobile and desktop.
- Used JIRA/Confluence to for project and timeline reporting and collaboration.

Quality Engineer-Analyst Co-op

01/2019-05/2019

TD Canada London Ontario

- Software Testing of Reports and Investment Product User Interface
- Designed Test Case Scenarios
- Used JIRA/Confluence to report defects
- Updated software How-tos related to TFSA and RSP products

KEY EXPERT – GEOGRAPHIC INFORMATION SYSTEM SPECIALIST

07/2018– 10/2018

WSC Family Island Strategy Study Nassau, New Providence

Used GIS to perform demographic and socioeconomic spatial analysis

- Digitizing of vector features from hard copy maps and other sources.
- Cartographic flat design of maps to display spatial analysis.
- Review existing or incoming data for currency, accuracy, usefulness, quality, or completeness of documentation.

DRAFSTMAN

01/2017 – 11/2017

Alulux, Nassau, New Providence

- Assisted the Design team in the conversion of conceptual ideas to tangible product designs.
- Analyzed rough sketches and interpreted specifications to develop 2D and 3D drafts and provided professional recommendations where necessary
- Coordinated with Engineers, Consultants, and Contractors to ensure the constructability and effectiveness of the Designs.
- Developed and prepared progress reports outlining the various phases of the projects from design to construction.

KEY EXPERT – GEOGRAPHIC INFORMATION SYSTEM SPECIALIST

04/2016 – 11/2016

Ecosystem-Based Development for Andros Island, Nassau, New Providence

- Digitizing of vector features from hard copy maps.
- Analyze Geographic Information Systems (GIS) data to identify spatial relationships or display results of analyses, using maps, graphs, or tabular data.
- Design spatial database including database and metadata schema.
- Analysis and interpretation of high-resolution satellite imagery
- Review existing or incoming data for currency, accuracy, usefulness, quality, or completeness of documentation.