

## Timothy Sanders

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Solutions-driven programmer with a nine-year track record of commended performance in modular and object-oriented programming. Well-versed in all phases of the software development lifecycle, with a strong working knowledge of algorithms and data structures. Proven success engineering customized solutions improving business processes, operations and profitability.

### Work Experience

#### **Unity & Programming Instructor: VR & AR Technologies Inc**

Unity & Programming Instructor. Teaching teens to program 2D and 3D video games in Unity the world-leading creation engine for gaming (<https://unity3d.com>). Class created both a 2D platformer and 3D first person shooter game from scratch. Along with Unity, the class was taught the basics of object oriented programming (C#) and basic Web Development (HTML).

#### **Software & System Developer: Atlantic Business Alliance**

Created site management system. Managed site maintenance and implement improvements. Completed debugging, added newly created functions, replaced deprecated code, optimized data flows.

#### **Highlights**

- Developed "ABA" a desktop software suite for monitoring Sales, printing invoices and controlling web content.
- Developed a desktop application that allows customers to upload content to their websites.
- Developed automated, self-creating client websites
- Implemented self-updating of created apps through Cloud system.
- Oversaw all server security
- Created and designed the database that runs peilocal.com and nslocal.ca, a large scale database driven site (2500 unique pages).
- Developed an automated mass newsletter distribution system.
- Worked on SEO to achieve high ranking within the PEI business community

## Student Assistant: University of Prince Edward Island

Website programmer for the 5<sup>th</sup> Biennial “Palmer Conference” August 2017. Liased with conference organizer, Political Science Professor Don Desserud, and kept all relevant information up-to-date on site.

<http://palmerconference.com>

## Web Developer: Freelance

Created and designed individual websites in hand written PHP or C#. *It is important for me that my websites and software are created without the use of CMS applications.*

### **Websites included:**

- Inventory and cataloguing systems
- Content management systems
- Custom admin panels

## Playback Operator: Eastlink TV

Monitored audio and video levels during live and taped broadcasts. Kept detailed CRTC records and played on air content including PSA’s, sponsorships and CRTC notices.

### **Highlights**

- Received perfect reviews from CRTC for record keeping.
- Worked on large scale Telethons, community, cultural and sporting events.

## Technical Expertise

### Fluent in:

T-SQL	PHP	DREAMWEAVER
MySQL	C++	ARDUINO Microcontroller platform
C#	HTML	HMAIL Server
JAVA	SQL Server	ANIME STUDIO
ASPX	VISUAL STUDIO	PHP-GTK
CSS	IIS7	UML
WPF	UNITY	

## Education

### Bachelors of Computer Science

University of Prince Edward Island

Graduation in 2018

*\*DEAN’s LIST 2015 - 2016 - Academic Excellence Award*

*\*DEAN’s LIST 2016 - 2017 - Academic Excellence Award*

### Interactive Multimedia (PHP/MySQL) - Post Secondary Degree

Holland College, PEI