Patrick Salembier

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Education

2011-2016 (Expected)   **University of Victoria**   Victoria, BC

Currently enrolled in fifth year, pursuing a combined Bsc. in Computer Science and Geography

2010-2011   **Handsworth Secondary School**   North Vancouver, BC

Received Honourable Mention on the Grade 12 Honour Roll

Received certificate of completion in French immersion

Skills

Technical Skills

Programming Languages:

Advanced knowledge of Java, C, C++, Python, GNU Prolog, Oracle SQL, and OpenGL

Intermediate knowledge of ARM assembly programming, HTML and CSS

Basic knowledge of JavaScript

Familiar with extension development for the Google Chrome web browsers

Knowledgeable about the Tweepy API and mining social media for spatial data

Tools:

Competent in advanced spatial statistical analysis such as Kriging, Spatial and Geographically Weighted Regression.

Proficient in ArcGIS, QGIS and PCI Geomatica, specifically in hyperspectral processing and suitability analysis through multicriteria analysis, mineral identification algorithms, spectral unmixing and LiDAR processing

Familiar with GeoServer software.

I am competnet in training, using and developing software for the ArcGIS mobile app

Familiar with Webapp development, particularly with relation to GIS webmapping

Proficient in CARIS suite including BathyDB and CARIS GIS

Comfortable in IDE environments such as Eclipse and Visual Studio

Thourough understanding of the fundamentals of Computer Graphics

Comfortable with statistical analysis package such as R and SPSS

Trained by Agriculture Canada in SAP database software

Competent in computer hardware and construction through building my personal desktop.

I am capable of performing field surveys using tacheometry, total stations and differential GPS units.

I am competent in installing operating systems, core software packages as well as setting up perhipherals

Work Environment Skills:

Trained in Workplace Hazardous Material Information System (WHMIS) at the basic level.

Received level one security clearance with the Government of Canada

I have excellent customer service skills including convincing customers to fill out an experience survey as well as maintaining Alumni relations with UVic and ensuring alumni support through donations to the university

I am comfortable working in a lab environment and handling delicate lab equipment

I am competent in formal workplace reports, both written and done in presentations

I am competent in IT work

Knowledgeable of Github flow process

I am a very self-motivated worker requiring little to no supervision, however I have much experience efficiently working with others in a team environment.

I have received training in fieldwork including transportation such as ATVs

I am well versed in accepting project requirements and translating the project into achievable sub-tasks

Job History

University of Victoria Alumni Relations, Saanich BC, as a student caller (May-December 2016) Duties included:

- Laying the foundation of UVic's relationships with its Alumni by congratulating new grads

- Maintaining important relationships between UVic and its Alumni through outreach calling

- Ensuring vital alumni donations are secured by highlighting the importance of Alumni participation

Canadian Hydrographic Service, Sidney, BC, as a GIS technician (May-December 2015) Duties included:

- Analyzing bathymetric data using ArcGIS and the CARIS software suite

- Digitization of legacy maps

- Conducting field surveys with the Tides and Currents department

- Developing Python software to expedite the process chart analysis, file conversions and file management

Tsleil-Waututh Nation, North Vancouver, BC, as a GIS technician (May-August 2014). Duties included:

- Generating maps using ArcGIS with specified template according to client specifications

- Digitization of paper maps

-Conducting field surveys around the reserve using differential GPS and subsequently maps using this data

-File management and organization

Natural Resources Canada Shared Services office, Pacific Forestry Centre, Victoria BC, as an assets management clerk (May-August 2013). Duties Included:

-Shipping and receiving packages for the Pacific Forestry Centre as well as managing the stock room.

-Inventorying all assets for the NRCAN Shared Services Offices at the Pacific Forestry Centre using the SAP financial System, often collaborating with other departments to locate assets.

Le Société de Dévéloppment Économique de la Colombie-Brittanique (June-August 2012), Victoria, BC, as an information systems management assistant

-Was responsible for maintaining multiple databases on tourism locations in British Columbia

-Was put in charge of designing a visitor's experience survey and collecting the necessary information via on-site visits and through the use of surveymonkey.com

-Was responsible for noting visitor behavior while onsite to complement the data obtained via the survey, both elements were ultimately implemented into a report used by the SDECB to assess the impact of a recently-implemented tourism model (named Économusée)

-Was in charge of completing various secretary duties, for example contacting Économusée board members to arrange a meeting as well as event planning, particularly in the coordination of renting audio-visual equipment.

The Government of Canada, Correctional Officer Test Administrator (July-August 2011)

Casual Labor Service, Youth Employment Centre, as an IT support and general assistant to the elderly (Mrs. Zara Lambert) (December-February 2010)

Mark Goddard Distributors (Fun in the Sun) Edgemont Village, Lonsdale, North Vancouver BC (2009-2011), retail sales clerk

Personal Projects and Interests

I have built my own computer from scratch to gear it towards graphic-intensive programs.

I am currently working on an extension for Google Chrome inspired by the webcomic XKCD that alters the display of news articles.

I participated in the 2016 ESRI app challenge, and developed a web-based app that gives the user information about sustainability within a given census tract

I have contributed to the open-source GIS project OpenStreetMaps immediately following the Tibetan earthquake of 2015

Skiing, Basketball, Stand-up Comedy, Ultimate Frisbee, and Geocaching are a few of my hobbies

Volunteering

I was an active member of the Ultimate Frisbee and Basketball community in North Vancouver, coaching multiple teams

and mentoring programs in both sports.

Volunteered at multiple annual Ultimate frisbee tournaments in Victoria BC from 2011-present including "Pumpkin Pull", the "TrashWell Cup" and the "Douglas Bowl"

I have volunteered with the University of Victoria's computer science department as teaching assistant during computer classes for senior citizens.

Volunteered with University of Victoria's Varsity Ultimate Frisbee team, fundraising

References available upon request