

Yiyan (Anson) Liang

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SKILLS SUMMARY

- Over 6 years of experience with GIS and remote sensing
- Strong programming, testing, and algorithm designing skills
- Experienced with full stack web development and ASP.NET framework
- Ability to manipulate statistical data with attention to detail
- Excellent ability in understanding and effective team player

TECHNICAL SKILLS

Programming Languages: VB.NET, C#, Python, SQL, JavaScript, HTML5, CSS3, Java, C++, R, MATLAB

Web Development: AJAX, ASP.NET, Bootstrap, Dojo Toolkit, JSON, jQuery

Geospatial Tools: ArcGIS, Geomatica, ENVI, eCognition, AutoCAD

Other Software: MS Office (Access, Excel, PowerPoint Publisher, Visio, Word)
Adobe (Photoshop, Illustrator, Lightroom)

WORK & VOLUNTEER EXPERIENCE

Programmer, Opta Information Intelligence, Markham, ON, Jan – Apr 2014 & Aug 2014 – Present

- Developed ASP.NET web applications using Visual Studio
- Designed and administered databases on Microsoft SQL Server
- Agile software development and full stack development
- Assisted insured peril study using geospatial data and modelling techniques

Research Assistant, School of Planning, University of Waterloo, Waterloo, ON, Sep – Dec 2014

- Processed historical tree species data and GIS data of Quetico Provincial Park
- Analyzed biomass health using remote sensing imagery and ground truth data

GIS Application Specialist, City of Kingston, Kingston, ON, May – Aug 2013

- Digitized Kingston's parking and transportation network in GIS format
- Developed web mapping applications using Google Fusion Table and ArcGIS API
- Designed responsible UI using Bootstrap
- Updated Kingston topographic basemap following the ESRI Community Maps template

GIS & Remote Sensing Technician, Agriculture and Agri-Food Canada, Ottawa, ON, Jan – Aug 2012

- Pre-processed remote sensing imagery using Geomatica and ENVI
- Generated soil moisture maps using MATLAB
- Derived vegetation maps for crop yield analysis
- Produced maps and posters for public events and corporate presentations

EDUCATION

Candidate for Environmental Studies, Honours Geomatics, Computer Science Minor, Co-operative Program, University of Waterloo, Waterloo, ON, Sep 2010 – Present

Expected to Graduate in April, 2015

Co-op Projects:

Fire Chief Portal, Opta Information Intelligence, Jan 2014 – Present

- A web application for fire chiefs to view Fire Grading Insurance Index, update fire station data, and monitor risk assessment information
- Developed both front-end and back-end (full stack)

On-Street Parking Permit Project, City of Kingston, May – Aug 2013

- Planned on-street parking zones and by-law in residential area for reducing parking stress in Kingston downtown area
- Digitized parking spaces in GIS format; enabled future city road planning and mapping
- Developed responsive web mapping application for travelers to find parking spots using smartphone or PC

ACTIVITIES & INTERESTS

Founder & Organizer, YoYoToronto, Toronto, ON, 2007 – Present

- Performed at Toronto Buskefest, Chinatown Nightmarket, Krispy Kream Film Festival and more
 - Presented professional yo-yo shows for parties, storefront, and corporate events
 - Organized bi-weekly club meetings
 - Sent newsletter updates through various social media
- Enjoy playing with skill toys and racquet sports