Stephen Tredger

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GitHub: stredger

EDUCATION

BSc Computer Science   Jun 2013
University of Victoria
Victoria BC, Canada

MSc Computer Science   In Progress
University of Victoria
Victoria BC, Canada

AWARDS AND PUBLICATIONS

Internet2 Innovative Application Award   Sep 2013

University of Victoria Outstanding Graduate Entrance Award   Sep 2013

University of Victoria Fellowship   Sep 2013

University of Victoria Presidents Scholarship   Dec 2012

Distributed Systems in the Wild: The Theoretical Foundations Nov 2012
and Experimental Perspectives
Seventh International Conference on P2P, Parallel, Grid, Cloud
and Internet Computing.
University of Victoria

WORK EXPERIENCE

Hewlett-Packard Research Internship   May 2012 – Jan 2013
Hewlett-Packard Labs
Victoria BC, Canada

Worked with a small team to create a distributed cloud application to perform simple
analysis with satellite imagery on the experimental HP Cloud GENICloud. The application
was shown at the 14th,15th, and 16th Global Environment for Network Innovation
Engineering Conferences.

Geoscience Assistant   May 2011 – Sep 2011
BC Government, Ministry of Energy and Mines, BC Geological Survey
Victoria BC, Canada

Performed evaluations on new software for MapPlace, BC Geological Surveys Web GIS
platform. The Evaluation included development of applications in Php, JavaScript, and
various .NET technologies. Additionally, worked closely with the Ministry's large
geological database writing SQL queries for the Web GIS platform and database
maintenance.

VOLUNTEER

CSC Revealed Programming Clinics   Jan 2013 – Present
University of Victoria
Victoria BC, Canada

Help plan and run programming clinics in Java for UVic's introductory programming
course in collaboration with the UVic Women in Engineering and Computer Science
group.

Python Workshop   Nov 2013
University of Victoria
Victoria BC, Canada

Designed and taught two Python workshops for UVic geography students.

TRANSFERABLE SKILLS

Programming Languages   **Operating Systems**
C   Mac OSX
Python   Linux (Ubuntu, Fedora)
SQL   Windows (XP, 7, and Server 2008)
Bash Scripting
Familiarity with JavaScript, Php, Java, Ruby, C++, C#, Objective-C, HTML, XML

Software and Tools
Unix command line (grep, sed, ssh, scp, and other core utils)
GNU Make, GCC
OpenStack Swift
PostgreSQL, Oracle, SQL Server
VirtualBox

REFERENCES

Rick McGeer   **Yao Cui**
Distinguished Technologist   Senior Geomatics Geoscientist
Intelligent Infrastructure Lab, HP Labs   BC Gov.: BC Geological Survey
Palo Alto CA, United States   Victoria BC, Canada
Email: rick.mcgeer@hp.com   Email: Yao.Cui@gov.bc.ca