

Rukmal Weerawarana

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Work

Michael G. Foster School of Business (UW) **Undergraduate Research Assistant (Volunteer)**

November 2014 - Present (Seattle, WA)

- Currently developing open source web scrapers to continually scrape data from empowerment platforms (<http://github.com/AGISR>)

WSO2, Inc

Software Engineering Intern

June 2014 - September 2014 (Colombo, Sri Lanka)

- Member of Apache Stratos (<http://stratos.apache.org>) team that originally developed the Platform as a Service framework
- Investigated the viability of the CoreOS+Docker stack as an alternative to the default Stratos hypervisor (KVM)
- Developed a new UI for the Stratos Manager Console using the JaggeryJS MVC framework, which was packaged and shipped with Stratos version 4.1.0 (currently in Alpha)

Mullins Molecular Retrovirology Lab (UW) **Undergraduate Research Assistant (Volunteer)**

April 2014 - August 2014 (Seattle, WA)

- Developed highly efficient applications in Python and Perl to determine mutation patterns in the HIV genome, which helps the researchers create targeted drug therapy

Skills

Programming Languages

- Significant prior experience and knowledge of Java, Python, JavaScript and related tools and build patterns (Maven, Grunt, Py.Test etc.)
- Intermediate knowledge of GoLang and Bash
- Beginner knowledge of Swift and C

Research

- Excellent writing and communication skills required for conveying large amounts of complex information effectively
- Significant prior experience in professional research

Side Projects

Lifestream (GoLang)

- Developed and maintain the server-side API layer for a location based photo sharing app using the Revel framework

Rendezvous (JavaScript)

- Developed the server-side API using the MEAN stack. This project won an honorable mention at Startup Weekend UW

UW Open Data (Python)

- REST API for the UW directory and course catalog, developed with Karan Goel (<http://goel.io>) using the Flask framework

SpotifyInstant (JavaScript, HTML, CSS)

- Instant search for the Spotify music catalog. Built using the Spotify API (<http://rukmal.github.io/SpotifyInstant>)

Education

University of Washington

Computer Science and Business Administration

September 2013 - Present (Seattle, WA)

- Intended double major in Computer Science and Engineering (BS) and Business Administration with a focus in Accounting and Finance (BABA)
- Completed classes from the introductory Biology, Physics and Chemistry series, as well as Sophomore-level classes in Statistics, Economics, Accounting and Computer Science. I have also finished the calculus series, and I am currently completing the Sophomore-level math track
- Expected graduation in June 2017

The British School in Colombo

International Baccalaureate Diploma

August 2009 - July 2013 (Colombo, Sri Lanka)

- Completed IGCSEs in Advanced Math, the Natural Sciences, CS, Business Studies, English and Sinhalese (2011)
- Successfully completed the IB Extended Essay in Physics, focusing on the effect of EM radiation on the Human brain
- Awarded with the IB Diploma in 2013 with Higher Levels in Math, Chemistry and Physics and Standard Levels in English, Introductory Spanish and Geography

Operating Systems and Related Tools

- Extended experience with Unix-based operating systems including Mac OS X, Ubuntu, RedHat and CentOS
- Intermediate experience and knowledge of the CoreOS+Docker stack, including cluster management tools fleet and systemd as well as the CoreOS distributed data store etcd

Other Applications and Tools

- Intermediate knowledge of the Adobe Creative Suite (CC) of tools, including InDesign, Photoshop and Premiere Pro
- Intermediate knowledge of the Bloomberg Console