

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

Interests

Hardware Hacking

- I have experimented with writing applications for and highly enjoy using devices such as the Leap Motion and Myo

Recreational Sports

- I love playing sports in my free time, ranging from Basketball to more unconventional activities like Ultimate Frisbee

Stock Trading

- I use the UW Foster's Bloomberg Consoles and Robinhood to trade low-value stocks on the stock exchange

Travel

- Exploring the world has become one of my passions as a result of growing up in the highly ecologically-diverse Sri Lanka