

# Rukmal Weerawarana

+1 (206) 839-6891

rukmal.me

rukmal@uw.edu

## 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

## 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>)

## 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

### *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