Rukmal M. Weerawarana

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EDUCATION

Stevens Institute of Technology	Hoboken, NJ
• Master of Science in Financial Engineering	May 2019
University of Washington (UW) Michael G. Foster School of Business	Seattle, WA
• BABA Finance & Business Economics	June 2017
• Quantitative Fundamentals of Computational Finance Certificate (3.67 GPA) from the UW Computational Finance Program (CFRM)	

WORK

Team Lead   ***UW Hyperloop (UWHL)***   Seattle, WA   05/2016 – 08/2017

- Contributed to the design, manufacturing, testing and future development of a revolutionary transportation system that has the potential to reshape consumer and commercial transport industries.
- Lead of the UWHL Business Management team, which facilitates all funding, sponsorship, and materials sourcing for the team. Concurrently a member of the UWHL Impact Development team, which is investigating and modeling the fiscal and environmental benefits of adopting the Hyperloop system in the Pacific Northwest.
- Regularly interfaced with potential sponsors to facilitate the donation of extremely valuable material to the team that we are unable to self-fund, but are necessary for the successful construction of the pod. I have overseen the sourcing and delivery of over $50,000 of material that are currently being used to manufacture the pod.
- Competed in the SpaceX Hyperloop Pod Competition 1 (http://spacex.com/hyperloop), and placed 6th out of an initial 1,700 teams. The team was also awarded with the *Safety Subsystem Award* in the Design Phase of the competition.

Software Engineering Lead   ***ZocialGPA, Inc.***   Seattle, WA   02/2015 – 01/2016

- Worked with and led a small team of engineers to design and implement the full stack of the ZocialGPA social analytics products.
- Designed highly efficient algorithms used to calculate ZocialGPA scores using data from large, non-relational databases, while minimizing computation resource utilization to lower operating costs for the company.
- Performed cost analyses of industry standard Infrastructure-as-a-Service (IaaS) providers to determine the most cost-effective deployment schema for the system.

Software Engineering Intern   ***WSO2, Inc.***   Colombo, LK   06/2014 – 09/2014

- Member of the Apache Stratos team, an open source Platform-as-a-Service (PaaS) framework.
- Investigated the viability of different hypervisors as replacements for the default Stratos virtualization engine.

Undergraduate Research Assistant   ***UW Mullins Laboratory***   Seattle, WA   04/2014 – 08/2014

- Developed applications to determine mutation patterns in the DNA sequences of HIV patients to assist with targeted retroviral drug therapies.

ADDITIONAL ACTIVITIES

Treasurer   ***UW Sri Lanka Student Association***   Seattle, WA   09/2014 – 06/2017

- Plan the allocation of organization funds across three main events throughout the school year.
- Act as a club liaison to help promote the knowledge of Sri Lankan culture on campus.

Member   ***UW Hackers***   Seattle, WA   02/2014 – 06/2017

- Cofounder and original member of the UW Hackers organization (initially called *Sudo Soldiers*).
- Regularly contribute to meetings of UW's largest on-campus *Maker* community.

Attendee   ***Hackathons***   Seattle, WA   09/2015 – 06/2017

- I take pride in competing in multiple Hackathons throughout the year, including *Dubhacks* and the *Facebook Student Hackathon*. Most of my work is Open Source, see: http://github.com/rukmal

Concert Volunteer   ***Conscious Crew***   Seattle, WA   10/2015 – 08/2017

- I volunteer at large concerts in Washington state, and act as a first responder to incidents occurring during the concert involving suspected drug overdoses and other potentially fatal incidents.

SKILLS

• Extensive computer programming knowledge	• Computational statistical analysis	• Significant prior research experience
• Strong mathematics background	• Excellent interpersonal skills	• Goal-oriented time management

Work Authorization: US Citizen

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