

Rukmal M. Weerawarana

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EDUCATION

University of Washington (UW) Michael G. Foster School of Business	Seattle, WA
<ul style="list-style-type: none">BABA Finance & Business Economics, with a Minor in Applied MathematicsAwarded Quantitative Fundamentals of Computational Finance Certificate with 3.67 GPA from the UW Computational Finance ProgramSenior class standing	June 2017
The British School in Colombo (BSC)	Colombo, Sri Lanka (LK)
<ul style="list-style-type: none">International Baccalaureate Diploma Program (IBDP)	June 2013

WORK

Team Lead	UW Hyperloop (UWHL)	Seattle, WA	05/2016 – Present
<ul style="list-style-type: none">Contribute to the design, manufacturing, testing and future development of a revolutionary transportation system that has the potential to reshape consumer and commercial transport industries.Current 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 a Hyperloop system in the Pacific Northwest.Utilize mathematical models to predict the effect of a Pacific Northwest Hyperloop system on traffic flows using real traffic data from transportation agencies in Washington State, Oregon and British Columbia (Canada). The team also creates policies that may be implemented to govern and effectively implement a Hyperloop system in the area, with integration plans with existing public transportation networks.Regularly interface 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 \$10,000 of composites that are currently being used to manufacture the pod.			
Software Engineering Lead	ZocialGPA, Inc.	Seattle, WA	02/2015 – 01/2016
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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 – Present
<ul style="list-style-type: none">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 – Present
<ul style="list-style-type: none">Cofounder and original member of the UW Hackers organization (initially called <i>Sudo Soldiers</i>).Regularly contribute to meetings of UW's largest on-campus <i>Maker</i> community.			
Attendee	Hackathons	Seattle, WA	09/2015 – Present
<ul style="list-style-type: none">I take pride in competing in multiple Hackathons throughout the year, including <i>Dubhacks</i> and the <i>Facebook Student Hackathon</i>. Most of my work is Open Source, see: http://github.com/rukmal			
Concert Volunteer	Conscious Crew	Seattle, WA	10/2015 – Present
<ul style="list-style-type: none">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

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| <ul style="list-style-type: none">Extensive computer programming knowledgeStrong mathematics background | <ul style="list-style-type: none">Computational statistical analysisExcellent interpersonal skills | <ul style="list-style-type: none">Significant prior research experienceGoal-oriented time management |
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