# EDUCATION

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

# WORK

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| ***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

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| ***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

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