Laxman J. Dhulipala

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Education

Carnegie Mellon University • B.S. in Computer Science, Minor in Neural Computation **2014**
Cumulative GPA: 3.84/4.00
Relevant Coursework:

Compilers · 15-411	Distributed Systems · 15-440
Algorithm Design and Analysis · 15-451	Computational Geometry · 15-456
Foundations of Programming Languages · 15-312	Parallel Data Structures and Algorithms · 15-210
Machine Learning (PhD Level) · 10-701	Mobile Web Apps · 15-237

Skills

- Proficient in C, Haskell, Java (Android), Javascript, Python and SML
- Familiarity with Backbone.js, C++, CSS, Django, HTML, jQuery, Matlab, Objective C and Rust

Work History

Facebook Inc - Menlo Park, CA ***Software Engineering Intern*** **2013**

- Developed on the Android and Growth teams on profiling mobile data usage in developing countries.
- Built a robust Android app that provides granular insights into application and system level network usage.

Apple Inc - Cupertino, CA ***Software Engineering Intern*** **2012**

- Led a team of three interns in designing and implementing a mobile-web application from scratch.
- Used Backbone.js and Django/Node.js to rapidly develop the application within a one month deadline.

Carnegie Mellon University ***Teaching Assistant*** **2012-2014**

- Algorithm Design and Analysis (15-451, Spring 2014).
- Computational Geometry (15-456, Spring 2014).
- Parallel Data Structures and Algorithms (15-210, Spring 2013).
- Introduction to Functional Programming (15-150, Fall 2012).

Stanford Cognitive and Systems Neuroscience Laboratory ***Research Assistant*** **2009-2011**

- Developed an interactive computer game in Python to teach math to children with dyscalculia.

Projects and Activities

Research in Parallel Algorithms **2013-2014**

- Research with Guy Blelloch and Julian Shum to develop efficient shared memory graph algorithms.
- Submitting paper on parallel graph contraction to SPAA in January, 2014.

Romibo Robotics **2011-2012**

- Worked on Romibo - a low-cost robot designed to be used in Autism Therapy.
- Designed a visual system using the OpenCV library which tracks faces and changes robot behavior based on the presence of human faces.

Jazz Piano

- Played classical piano since childhood - developed a love for jazz and joined the highschool jazz band.
- Still actively involved in jazz - compose and play in jazz jams.

Honors and Awards

- Allen Newell Award for Excellence in Undergraduate Research - Spring 2014
- Yahoo Undergraduate Research Award - Spring 2014
- Dean's List : Fall 2010, Spring 2011, Spring 2012, Fall 2012, Spring 2013, Fall 2013
- National Merit Scholarship Semi-Finalist