Ankur Sharma

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EDUCATION

SAARLAND UNIVERSITY
Ph.D. Student
Oct 2014 - now
Big Data Analytics Group
Saarbruecken, Germany

TU DRESDEN
Visiting Student
May 2013 - Sept 2014
Dresden, Germany

NIT SIKKIM
B.Tech. in Computer Science
Aug 2010 - Sept 2014
Ravangala (Sikkim), India
Cum. GPA: 9.15/10.00
Institute Gold Medal

LINKS

LinkedIn:// ankursh92

COURSEWORK

GRADUATE
Distributed Systems
Operating Systems
Database Systems
(Research Asst. & Teaching Asst)
Compiler Construction

UNDERGRADUATE
Mobile Computing
Internet & Web Apps
Compiler/Interpreter
Data Structure & Algorithms

SKILLS

PROGRAMMING
Over 5000 lines:
Java • Shell • JavaScript • Matlab
OCaml • Python • Rails • LaTeX
Over 1000 lines:
C • C++ • CSS • PHP • Assembly
Familiar:
AS3 • iOS • Android • MySQL

EXPERIENCE

COURSERA | KPCB Fellow + Software Engineering Intern
Expected June 2014 – Sep 2014 | Mountain View, CA
- 52 out of 2500 applicants chosen to be a KPCB Fellow 2014.

GOOGLE | Software Engineering Intern
May 2013 – Aug 2013 | Mountain View, CA
- Worked on the YouTube Captions team in primarily vanilla Javascript and Python to plan, design and develop the full stack implementation of a new framework to add and edit Automatic Speech Recognition captions.
- Created a backbone.js-like framework for the Captions editor.
- All code was reviewed, perfected, and pushed to production.

RESEARCH

CORNELL ROBOT LEARNING LAB | Head Undergrad Research
Jan 2014 – Present | Ithaca, NY
Worked with Ashesh Jain and Prof Ashutosh Saxena to create PlanIt, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments. Publication submitted.

CORNELL PHONETICS LAB | Head Undergraduate Researcher
Mar 2012 – May 2013 | Ithaca, NY
Lead the development of QuickTongue, the first ever breakthrough tongue-controlled game with Prof Sam Tilsen to aid in Linguistics research. Publication submitted.

AWARDS

2014	Graduate Fellowship	Saarland University
2014	Institute Gold Medal	Highest GPA (UG) in NIT Sikkim
2014	Department Gold Medal	Highest GPA (UG) in CS Department
2013	DAAD WISE Fellowship	Summer Research Internship at TU Dresden
2012	Research Fellowship	Summer Research Internship at IIT Bombay

PUBLICATIONS

[1] Ankur Sharma, Felix Martin Schuhknecht, and Jens Dittrich. Accelerating analytical processing in MVCC using fine-granular high-frequency virtual snapshotting. In Proceedings of the 2018 International Conference on Management of Data, SIGMOD Conference 2018, Houston, TX, USA, June 10-15, 2018, pages 245–258, 2018.

[2] Felix Martin Schuhknecht, Jens Dittrich, and Ankur Sharma. RUMA has it: Rewired user-space memory access is possible! PVLDB, 9(10):768–779, 2016.

[3] Ankur Sharma, Felix Martin Schuhknecht, Divya Agrawal, and Jens Dittrich. How to databasify a blockchain: the case of hyperledger fabric. CoRR, abs/1810.13177, 2018.

[4] Ankur Sharma, Felix Martin Schuhknecht, and Jens Dittrich. The case for automatic database administration using deep reinforcement learning. CoRR, abs/1801.05643, 2018.