Alhaad Gokhale

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AREAS OF INTERESTS

Operating systems, Distributed systems, Theoretical computer science.

WORK EXPERIENCE

Google Inc, Mountain View, California — **Senior Software Engineer**

Fuchsia — **Jan 2015 – present**

Working on Fuchsia, a new operating system by Google. https://fuchsia.googlesource.com/

Google Inc, Mountain View, California — **Software Engineer**

Search Infrastructure — **Oct 2013 – Dec 2014**

Worked with Search Infrastructure Serving team which is responsible for handling all search queries that come to Google.

Google Inc, Mountain View, California — **Intern**

Crawler — **May 2012 – July 2012**

Worked with Crawl-Scheduler team which is responsible for determining the rate at which a website is recrawled by Google.

Nucleodyne Systems Inc, Cupertino, California — **Intern**

May 2011 – July 2011

Ported a power-aware implementation of the USB protocol stack on a bare-metal Power-PC based platform.

National Center For Supercomputing Applications, UIUC — **Intern**

May 2010 – July 2010

Developed a model to quantify symmetry and randomness in a noisy image pattern.

EDUCATION

Indian Institute of Technology, Kharagpur

B.Tech.(Hons) + M.Tech., Computer Science and Engineering — **2008 – 2013**

HONOURS AND AWARDS

- National Talent Search (NTS) Scholar
- Kishore Vaigyanik Protsahan Yojana (KVPY) Scholar
- Apeejay Talent Search (ATS) Scholar
- Secured an All-India Rank of 612 in the IIT Joint Entrance Examination, 2008
- Finalist for National Physics and Mathematics Olympiads

PUBLICATIONS

Datta, Kamalika and Gokhale, Alhaad and Sengupta, Indranil and Rahaman, Hafizur, "An esop-based reversible circuit synthesis flow using simulated annealing", *Applied Computation and Security Systems*, pp. 131-144, 2015, Springer India.

Gokhale, Alhaad and Bajcsy, Peter, "Automated classification of quilt photographs into crazy and non-crazy", In *IS&T/SPIE Electronic Imaging*, 2011.

PATENTS

Gokhale, Alhaad and Brown, Jeff and Meschkat, Steffen and Giesing, Kris, "System And Method For Automatically Synchronizing Responses To Conditions On Devices", US Patent Application 15/808,153, filed November 2017. Patent pending.

PROGRAMMING

C, C++, Python, Java, Dart.