NISHANT SHUKLA

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Graduate Student
U.S. Citizen

GitHub: BinRoot
http://shukla.io

EDUCATION

UCLA   Ph.D. Computer Science
Apr 2016 - present / Los Angeles, CA
- Field of study: Artificial Intelligence, Computer Vision
- Research Assistant for Prof. Song-Chun Zhu

UCLA   M.S. Computer Science
Oct 2014 - Mar 2016 / Los Angeles, CA
- Research Assistant for Prof. Song-Chun Zhu
- Teaching Assistant for Adv. Programming Languages

UVA   B.S. Computer Science, Mathematics
Sept 2010 - May 2014 / Charlottesville, VA
- Teaching Assistant and undergraduate researcher
- Cumulative GPA 3.8, Highest Distinction

GMHS   International Baccalaureate
May 2010 / Falls Church, VA
- President/founder of Rocketry and Math clubs
- Cumulative GPA 4.0, Valedictory Scholar

TECHNICAL SKILLS

Languages: Java, C++, Haskell, MATLAB, R, Python, Rust, Bash, Scala, C#/.NET, Javascript, Assembly, Erlang

Technologies: Android, Windows Phone, Git, App Engine, MongoDB, Node.js, OpenCV, GNU/Linux

Projects: VibeBack (PennApps 2013, Best Use of Firebase), Ranker.io (API Hackday SF 2013, 3rd place), BattSignal (PennApps 2012, Bay Area Favorite), LyncUp (XAPFest 2012, 1st Place), EventHandler (Facebook hackathon 2012, 2nd place)

EXPERIENCE

SPACEX   Machine Learning Intern
Summer 2016 / Hawthorne, CA

UCLA   Full-Time Researcher
Summer 2015 / Los Angeles, CA
- Lead our core robotics learning platform
- Published multiple research papers

FOURSQUARE   Software Engineer Intern
Summer 2014 / New York, NY
- Built and improved core Android product
- Implemented server APIs in Scala

FACEBOOK   Software Engineer Intern
Summer 2013 / Menlo Park, CA
- Developed a face-tagging interface on Android
- Implemented intelligent photo caching systems

MICROSOFT   Software Engineer Intern
Summer 2012 / Redmond, WA
- Integrated Visual Studio with MSDN using C# / .NET
- Acted as both the program manager and developer

WILLOWTREE APPS   Junior Mobile Developer
Summer 2011 / Charlottesville, VA
- Published the University of Virginia Android app
- Published the nTelos Wireless Pavilion Android app

BUCHANAN & EDWARDS   IT Intern
Summers 2008-2010 / Arlington, VA
- Hacked electronic pen for handwriting recognition
- Programmed SharePoint ticketing systems

SELECT PAPERS

Haskell Data Analysis Cookbook
Summer 2014
Textbook on data analysis and machine learning algorithms in Haskell
(*ISBN 978-1-78328-633-1*)

Patent Pending
Fall 2015
Portable image analysis chemistry apparatus.
(*U.S. Provisional Patent No. 62/245,473*)

AAAI AI-HRI Paper
Summer 2015
Short-paper on human-robot interaction

Undergraduate Thesis
Spring 2014
Effects of real-time synaptic plasticity using spiking neural network architecture

LEADERSHIP

HackUVA Organizer
Fall 2013 - Summer 2014
Lead organizer for a 500-person programming contest[a] at UVA

Intro to Haskell Instructor
Spring 2013
Independently lectured semester-long course[b] in the Computer Science department at UVA

First Founder
Fall 2012 - Spring 2014
First founder of an independent incubator for student entrepreneurs[c]

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[a]http://hackuva.io
[b]http://shuklan.com/haskell
[c]http://hackcville.com

HONORS

UCLA Fellowship
Winter 2015
For achieving distinguished academic records as a graduate student ($5,000)

Elsie Hughes Cabell Scholarship
Spring 2014
For scholastic merit ($6,000)

UVA Intermediate Honors
Falls 2012
For top 20% GPA in first two academic years

A. Thomas Young Scholarship
Spring 2012
For demonstrating leadership and intellectual breadth ($3,000)