

# Nishant Shukla

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U.S. Citizen  
Los Angeles, CA

GitHub: BinRoot

## EXPERIENCE

### **DMAI, Inc.** | VP Engineering

August 2017 - present

**Los Angeles, CA** - Nurtured engineering teams as we grew from 2 to 50 employees. Led design decisions, and implemented core architecture. Involved in full software development lifecycle process of 2 products. Managed budget, established development processes, and cultivated a powerful team.

### **SpaceX** | Machine Learning Intern

Jun - Sep 2016

**Hawthorne, CA** - Researched and implemented time-series predictors and anomaly-detection.

### **UCLA** | CV Researcher

May - Sep 2015

**Los Angeles, CA** - Led our core robotics platform team. Published multiple research papers (ICRA, AAAI, CoRL).

### **Foursquare** | Software Eng Intern

Jun - Sep 2014

**New York City, NY** - Built and improved core Android product. Implemented server APIs in Scala.

### **Facebook** | Software Eng Intern

Jun - Sep 2013

**Menlo Park, CA** - Developed face-detection interfaces on Android. Implemented intelligent photo-caching systems.

### **Microsoft** | Software Eng Intern

Jun - Sep 2012

**Redmond, WA** - Designed, developed, and shipped a Visual Studio start-page using C# / .NET.

### **WillowTree Apps** | Junior Mobile Developer

Jun - Sep 2011

**Charlottesville, VA** - Published the University of Virginia Android and nTelos Wireless Pav Android apps.

### **Buchanan & Edwards** | IT Intern

Summers 2008 - 2011

**Arlington, VA** - Programmed SharePoint ticketing.

## EDUCATION

### **UCLA** (2016 - 2019)

**Ph.D.** Computer Science, under Prof. Song-Chun Zhu. Center for Vision, Cognition, Learning, and Autonomy.

### **UCLA** (2014 - 2016)

**M.S.** Computer Science, under Prof. Song-Chun Zhu. Awarded *Outstanding Graduating Master's Student* (2016). Awarded *Graduate Fellowship* (2015).

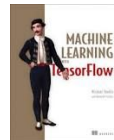
### **University of Virginia** (2010 - 2014)

**B.S.** Computer Science, **B.A.** Mathematics, Physics Minor. Cumulative GPA 3.8, Highest Distinction. Awarded *Elsie Hughes Cabell Endowed Scholarship* (2014). Awarded *A Thomas Young Scholarship* (2012).

### **George Mason High School** (2006 - 2010)

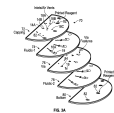
International Baccalaureate (**IB**)  
Cumulative GPA 4.0, Valedictory Scholar

## PUBLICATION



### “Machine Learning with TensorFlow”

2018, ISBN 9781617293870, 272 pages



### “Systems, Devices and Methods for Analyzing and Identifying Substances”

2017, Patent ID PCT/US2016/058304



### “Haskell Data Analysis Cookbook”

2014, ISBN 9781783286331, 334 pages

## STACK

**Lang:** Python, C++11, Haskell, Java, Javascript, MATLAB, R, Rust, Bash, Scala, C#/.NET, x86 Assembly, Erlang

**Misc:** TensorFlow, Scikit-learn, Android, Amazon Web Services (AWS), Git, MongoDB, Flask, Node.js, OpenCV, GNU/Linux, Google App Engine, Jira