





Maulik Doshi


DEVELOPER | ENGINEER | ENTREPRENEUR

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EDUCATION

Carnegie Mellon University - Pittsburgh, PA

Dec 2017

GPA: 3.37 (B.S. in Computer Science, Minor in Robotics), Dean’s List (Spring 2017)
Algorithm Design and Analysis, Parallel and Sequential Data Structures, Distributed Systems, Machine Learning, Computer Vision (Finished Top 5 Rank), Natural Language Processing* (* = expected)

EXPERIENCE

- Microsoft Corporation** - Redmond, WA
- May 2017 - Aug 2017
- Software Engineer Intern
- Worked on MyAnalytics, an Office 365 analytics platform providing personal productivity insights
 - Designed the most asked-for customer feature: showing trending data for longer periods of time
 - Developed back-end C# on the .NET framework using Visual Studio, Source Depot, and Code Flow
 - Changed the API to aggregate activity data by different units (day, week, month, quarter, year)
 - Wrote a compute unit wired up with datastore snapshots and job schedulers for the computations
- Shopify** (e-commerce web application platform) - Ottawa, Canada
- May 2016 - Aug 2016
- Software Developer Intern
- Worked on a team that gave eligible merchants cash advances to grow their businesses
 - Built and deployed back-end Ruby on Rails MVCs / front-end UIs to track new requests for capital
 - Wrote instrumentation to monitor performance of the core system and RESTful APIs
 - Produced Apache Kafka events to be consumed by the data team for rigorous analysis
 - Collaborated with developers, designers, writers, and managers using Github and Slack
- SmartEnergy** (Shell-funded renewable energy startup) - New York, NY
- May 2015 - Aug 2015
- Software Engineer Intern | Business Intelligence Developer Intern
- Built a cloud-based business intelligence reporting system using Tableau Software
 - Wrote and optimized SQL queries to organize data for use in Tableau data visualizations
 - Performed big data analytics for deeper visibility into sales growth and customer acquisitions
 - Designed Python scripts for manipulating data and batch scripts to automate tasks
 - Worked with the CEO / COO to generate reports used to make critical business decisions

LEADERSHIP

15-150: Functional Programming - Carnegie Mellon University

Aug 2016 - Dec 2016

Teaching Assistant (TA)

- Teach and reinforce material from lecture to a class size of 20 in recitation and lab
- Hold weekly office hours and answer questions on Piazza to help students with coursework
- Write homework / lab handouts and grade completed assignments for 200+ students

CMU Bhangra Dance Team - 98-217 Course Instructor | Competitive Dancer | Interim Manager

PROJECTS

"Will I Make It" - Python App integrating Google Maps API and SQLite (<http://tinyurl.com/will-i-make-it>)
"Rolling Around a Cube" - 3D Game using Python and vPython (http://youtu.be/gNRZglfhj_Q)
"H.A.S.M.A.A.D." - Patented Autonomous Crop Spraying Drone (<http://mcainventeam.wordpress.com/>)
"Guessquares" - MauDoApps App Available on iOS Devices (<http://www.maudoapps.com/>)

SKILLS

	Python	C / C++	SML / Functional	C#
	Linux Terminal	Git	SQL	Ruby on Rails
	MATLAB	Tableau	Assembly	Go / Networks
	Objective-C	HTML / CSS	APIs	Java

INTERESTS: Music Production (MIDI Keys + Cubase), Sports (Basketball) - **LANGUAGES:** English, Gujarati, Spanish