





# Maulik Doshi


DEVELOPER | ENGINEER | ENTREPRENEUR

 maulikdoshi@cmu.edu

 732-318-0648

 maulik-doshi

 maulikddoshi

 maulik-doshi.github.io

## 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, Distributed Systems, Machine Learning, Computer Vision (Finished Top 5 Rank), Artificial Intelligence\*, Natural Language Processing\*, Computer Graphics\* (\* = expected)

## EXPERIENCE

**Microsoft Corporation** - Redmond, WA May 2017 - Current  
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](http://youtu.be/gNRZglfhj_Q))  
**"H.A.S.M.A.A.D."** - Patented Autonomous Crop Spraying Drone (<http://mcainventeam.wordpress.com/>)  
**"Guesssquares"** - 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