

Maulik Doshi

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EDUCATION

Carnegie Mellon University - Pittsburgh, PA
GPA: 3.23 (B.S. in Computer Science, B.S. in Robotics)

May 2018

Relevant Coursework:

Current: Parallel and Sequential Data Structures and Algorithms (15-210), Introduction to Robotics (16-311), Modern Computer Algebra (15-355)

Completed: Introduction to Computer Systems (15-213), Principles of Functional Programming (15-150), Great Theoretical Ideas in Computer Science (15-251), Principles of Imperative Computation (15-122), Fundamentals of Programming and Computer Science (15-112), Robot Kinematics and Dynamics (16-384), Calculus in Three Dimensions (21-259), Concepts of Mathematics (21-127), Matrices and Linear Transformations (21-241)

Middlesex County Academy for Science, Math and Engineering - Edison, NJ

June 2014

GPA: 4.00 - Electrical and Computer Engineering Concentration (1.5 hours/day for 4 years)

Procedural and Object-Oriented Programming in C++, Logic, Fundamentals of Engineering, AC/DC Circuit Analysis, Microcontrollers and Assembly language, Communication Systems, Senior Project

EXPERIENCE

SmartEnergy (Shell-funded renewable energy startup company) - New York, NY

May 2015 - Aug 2015

Software Engineer | 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

PROJECTS

Game Programmed in Python "Rolling Around a Cube"

Nov 2014 - Dec 2014

(http://youtu.be/gNRZglfhj_Q)

Patented Autonomous Crop Spraying Drone "HASMAAD"

Mar 2013 - Jun 2014

(<http://mcainventeam.wordpress.com/>)

App Available on iOS Devices "GuessSquares"

Jul 2013 - Sep 2013

(<http://www.maudoapps.com/>)

LEADERSHIP

Carnegie Mellon University Bhangra Dance Team - Course Teacher (98-217) | Competitive Dancer

FIRST Robotics - Team 4311 "Watt the Hex" - Team Captain | Head Programmer | Lead Driver

MauDo Apps - Mobile Application Development - Founder | Developer

Student Government - President

JAINA Jain Academic Bowl - Team Captain

SKILLS

Python, C / C++, SML / Functional
MATLAB, Linux Terminal, SQL, Tableau
Mathematica, HTML / CSS
Objective-C, JavaScript
Adobe Flash

INTERESTS / LANGUAGES

• Interests

Sports, Playing Basketball, Competitive Dancing, Playing Keyboard, Audio Engineering, Music Programming, Composing Music, Listening to Music, Math League, Competitive Science Leagues in Physics-Chemistry-Biology, Robots, Writing Good Code, Developing Algorithms

• Languages

English, Gujarati, Spanish