Prathmesh Desai

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My passion for Computer Science stems from both a desire to invent, and an immense amount of intellectual curiosity for machines. This intrigue started when my sixth grade self found out about the destructive power of *rm -rf /* and bash scripts. Ever since then I have continued to further my programming expertise by hacking on side-projects, freelance work, reading books, and working at rising startups.

LEGAL STATUS

Citizen of Canada
Permanent Resident of The United States
Overseas Citizen of India

EDUCATION

UNIVERSITY OF WATERLOO
Candidate for Bachelor of Computer Science
Expected May 2019 | Waterloo, ON

COURSEWORK

Functional Programming
Algo. Design & Data Abstraction
Logic & Computation
Data Structures
Sequential Programs
Adv. Intro to Combinatorics
AP Computer Science (HS)

SKILLS

PROGRAMMING

HTML	CSS	jQuery
JS	Python	Node.js
Clojure	SQL	LISP
C	C++	Java

WEB SERVERS/SERVICES

Apache	Nginx	RESTful
SOAP	IIS	OAuth 2.0

FRAMEWORKS

Express	Jade	Rails
React	React Native	Django
Meteor	Angular	Laravel

SKILLS

COURSE-TAUGHT TECHNOLOGIES

- **Visual Studio & Visual Basic** - Taught in Programming I
- **Java** - Read *Java: The Complete Reference, Ninth Edition* & AP Computer Science & Java/J2EE Training through H2KInfosys
- **Python** - Read *Learning Python by Mark Lutz* & Learned/Used in University of Tennessee Research Internship
- **HTML/CSS/JS** - Learned by revamping the www.hubdoc.com website and Udemy
- **NodeJS and ReactJS** - Work Experience at FarmLogs and Udemy Courses
- **Swift for iOS** Udemy's *The Complete iOS8 and Swift Course: Learn by Building 15 Real World Applications* taught by Mr Rob Percival
- **Maya** - Maya 2015 Tutorial Course offered by Digital-Tutors
- **MATLAB** - Taught by The Vanderbilt University Summer PAVE Program

SELF-TAUGHT TECHNOLOGIES

Programming Languages (excl. languages mentioned above): C, C++, LaTeX, LISP, C#, F#
Web Technologies: MySQL, Ruby on Rails, Clojure, CoffeeScript, Backbone, React
Software: Microsoft Office, Photoshop, Dreamweaver, Lightroom, Solidworks, 3DS Max, Blender, Maya, Eclipse, After Effects, Premiere Pro, XCode

MISCELLANEOUS

- **Theater Nerd** - Ever since I attended my first improv comedy sketch show, I fell in love with Theater. This passion of mine has led me to be a more outgoing, fun to be around, and funny person.
- **Writer** - Writing is my favorite pastime. I have begun writing a book, and often spend my off hours writing short stories.

EXPERIENCE

SELF EMPLOYED | Freelancer
Spring 2006 – Present | Toronto, ON & Knoxville, TN & Waterloo, ON

- Through numerous freelancing websites and online job postings I took part in a wide array of projects.
- Project Categories include: Essay-writing, Web Design & Development, App Design & Development, 3D Animation, and Video & Photo Editing

HORIZONS SCHOOL OF TECHNOLOGY | Jr. Software Engineering Intern / Instructor
January 2017 – May 2017 | San Francisco, CA

- Instruct students on CS topics (incl. HTML/CSS, React, Angular, Node, MongoDB, Git, Github, Express, Handlebars...)
- Develop Curriculum
- Engineering Lead for local contract projects

FARMLOGS | Front End SE Intern
January 2016 – May 2016 | Ann Arbor, MI
- Managed the FarmLogs Web Application and Static Marketing Site
- Worked using Agile and Waterfall Software Development Methods
- Code re-factoring from Backbone Views to React Classes
- Wrote Unit Tests in Jasmine
- An in-depth use of external libraries such as d3 or jQuery

HUBDOC | Software Marketer / Web Developer
May 2015 – August 2015 | Toronto, ON
- Developed the entirety of Hubdoc's new Responsive Website (HTML/CSS/JS/jQuery) [www.hubdoc.com]
- Built Web Scrapers to crawl Accountant/Bookkeeping Directories (Python/JS)
- Solely handled Hubdoc's Social Media Marketing
- Managed some of Hubdoc's content marketing, and wrote well received Blog Posts

EXCELGRADE E-LEARNING | CEO & Founder
Fall 2006 – Spring 2013 | Toronto, ON

- After a visit to India, founded Excelgrade e-Learning to provide the multitude of unemployed teachers with jobs and to aid students in K-12 around the world.
- Designed and Developed a website using HTML (and later updated using CSS).
- Managed clients and tutors, and made sure the company was fully functioning.

RESEARCH
UNIVERSITY OF TENNESSEE | Cancer Research Intern
Winter 2012 – Fall 2013 | Knoxville, TN
Worked with **Amila Orucevic** to perform statistical analyses on thousands of Breast Cancer Patients. We proved that the introduction of adjuvant anti-HER2 treatment has no impact on overall survival, despite common belief. Our research was conducted by acquiring thousands of patient records, and running scripts in Python to extract relevant information to analyze. Results warrant further studies.

ONGOING/FUTURE PROJECTS
LEMONADE STAND | CEO & Founder
Spring 2017 – N/A | Waterloo, ON

- Create an application for Android & iOS devices
- Uber style service for a variety of services (primarily food)
- Learning ways to integrate safe and automated payment into apps

ORACLE JAVA CERTIFICATION | Java SE 7 Programmer I
Winter 2017 | Waterloo, ON

- I aim to take the Java SE 7 Programmer I Certification Test

AWARDS

Year	Distinction	Award
2014	Avg of 95%+	President's Scholarship of Distinction (UWaterloo)
2014	GPA of 4.0+	Member of The American National Honors Society (NHS)
2014	Top 5 (In-School)	American Math Contest
2014	School Champion	Euclid Math Contest
2014	1st Place (State)	HOSA Medical Math Contest
2013	Top 3 (State)	Technology Student Assn. Digital Video Competition
2010	1st Place	Bad Dog Theatre Improv Competition
2006	1st Place (Toronto)	Kiwanis Youth Monologue Competition
2006	Person of the Year	TIME Magazine