Prathmesh Desai

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LEGAL STATUS

Citizen of Canada
Permanent Resident of The United States

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	Swift
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

BACKEND TECHNOLOGIES

MongoDB	Redis	MySQL
AWS S3	PostgreSQL	GraphQL

GRAPHICS

Photoshop	Illustrator	InDesign
Maya	Blender	Sketch

MISCELLANEOUS

Theatre	Screen Arts	Video Production

My passion for Computer Science stems from both a desire to invent, and an immense amount of intellectual curiosity for machines. This pintrigue 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.

EXPERIENCE

HORIZONS SCHOOL OF TECHNOLOGY | INSTRUCTOR & CURRICULUM DEVELOPER
January 2017 – Present | San Francisco, CA

- Instruct students on full-stack technologies (i.e. JS/React/Redux/React Native/Node/Express/MongoDB/AWS/Redis/Mocha/Chai)
- Develop exercises, quizzes, and exams to cover course material and solidify student understanding of taught services
- Lead standup & implemented Agile project management tactics for four different project teams
- Worked on a bot that matches on-duty instructors and students seeking help on Slack (deployed on Heroku & uses PostgreSQL to keep track of relevant data)

FARMLOGS | SOFTWARE ENGINEERING INTERN
January 2016 – May 2016 | Ann Arbor, MI

- Maintained, designed, tested, & added features to the FarmLogs WebApp and Static Site (using React, Jasmine, Backbone, and HTML/CSS/jQuery)
- Refactored established codebase to start using React
- Gained an in-depth understanding of d3 and used it to analyze data and create responsive, interactive charts/graphs
- Was an integral part of the Prescriptions (allow tractors to dispense appropriate amounts of Nitrogen on fields based on its' location) feature team, and participated in multiple feature specific sprints and scrum meetings

HUBDOC | SOFTWARE MARKETER & WEB DEVELOPER
May 2015 – August 2015 | Toronto, ON

- Responsible for end-to-end development of the static site where there was heavy use of CSS & jQuery to implement light, creative, and responsive animations
- Learned Bootstrap responsive web design, static asset management, and efficient web performance techniques
- Lead social media marketing at Hubdoc by routinely promoting both in-house & external accounting content via Twitter, LinkedIn, Facebook, and email
- Wrote well-received accounting-related content (blog posts, tweets, etc.) and managed the Hubduc Blog
- Created Python web scrapers to crawl popular accounting directories and generate tens of thousands of new leads for the sales team

UNIVERSITY OF TENNESSEE | CANCER RESEARCH INTERN
Winter 2012 – Fall 2013 | Knoxville, TN

- Worked with **Amila Orucevic** to prove 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 Python scripts to extract relevant information to analyze

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

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