

# 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
LaTeX	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   Directing   Skiing

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.

## 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 slack 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, 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 daily **scrum**

### HUBDOC | SOFTWARE MARKETER & WEB DEVELOPER

May 2015 – August 2015 | Toronto, ON

- Responsible for end-to-end development of the static site
- Heavily used **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 Hubdoc 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