

Prathmesh Desai

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San Francisco / Toronto / Dallas

EDUCATION

UNIVERSITY OF WATERLOO
CANDIDATE FOR BACHELOR OF
COMPUTER SCIENCE, HONOURS
2014 - 2019 | Waterloo, ON

COURSEWORK

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

SKILLS

PROGRAMMING

HTML	CSS	JS*
Matlab	LaTeX	Swift
Python*	SQL	LISP*
C	C++*	Java

WEB SERVERS/SERVICES

Apache	Nginx*	RESTful*
SOAP	IIS	OAuth 2.0

FRAMEWORKS

Express*	Jade	Wordpress
React*	React Native*	Django*
Angular	Rails	jQuery

BACKEND TECHNOLOGIES

MongoDB*	Redis*	MySQL
AWS S3	PostgreSQL*	GraphQL

GRAPHICS

Photoshop*	Illustrator	Maya*
InDesign	Blender	Sketch

MISCELLANEOUS

Theatre Directing Poker*

*high proficiency

EXPERIENCE

HORIZONS SCHOOL OF TECHNOLOGY | INSTRUCTOR

January 2017 – May 2017 | San Francisco, CA

- Instructed students on full-stack technologies (i.e. **JS/React/Redux/React Native/Node/Express/MongoDB/AWS/Redis/Mocha/Chai**)
- Developed 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 with students seeking help on Slack (deployed on **Heroku** and uses **PostgreSQL** & **Redis** 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 utilize **React**
- Leveraged understanding of **d3** 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
- Learned to use **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
- Created **Python** web scrapers to crawl popular accounting directories and generate tens of thousands of new leads for the sales team

PROJECTS

PENNVENTION

A startup competition management tool for The University of Pennsylvania used by 5,000+ users

- Determined efficient database framework to effectively design, store and optimize schema using **PostgreSQL**
- Architected a restful and modular back-end using **Node.js** and **Express**
- Managed a team of engineers utilizing **Agile** management practices

TESSELLATE

An application that retrieves news articles for a stock, given a date-range

- Using **Python** to build a web crawler that archives news articles based on an inputted stock ticker
- Train a sentiment analysis model to accurately differentiate between negative/positive articles
- Leverage automatic data summarization to overlay 1-sentence causes behind bull/bear markets onto a stock price chart