VISHWA PATEL www.vishwa.me | www.github.com/vishwapatel

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CURRENT ADDRESS
Unit 908, 3945 Chestnut St.
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COURSEWORK

-Data Structures and Algorithms
-Advanced Algorithms
-*Artificial Intelligence
-*Algorithmic Problem Solving
-Intro to Python and Web Dev
-Ruby on Rails and Web Dev
-Scalable Cloud Computing
-Software Engineering and Design
-Programming Languages
-Intro to Computer Systems
-LINUX/UNIX Skills
(* implies ongoing course)

SKILLS

PROGRAMMING

Expertise:
- Android (1 year)
- Java (3 years)
- Amazon S3, SimpleDB
- Android Google Maps API v2

Familiar with:
- Python (Flask framework)
- Hadoop
- SQL
- Ruby on Rails
- Amazon EC2
- HTML/CSS
- Javascript
- JQuery
- Facebook & Twitter APIs
- C
- Node.js & Express.js

Platforms/Technologies

- UNIX
- Eclipse
- Git/Github

VOLUNTEERING

- **Ronald McDonald House** (Fall 2012)
- **Penntoring** (Fall 2012)

EDUCATION

University of Pennsylvania | **School of Engineering**
Expected May 2015 | Philadelphia, PA
B.S.E in Computer Science, Minor in Theatre

EMPLOYMENT

Sufalam Technologies | Mobile engineering Intern
May 2012 – July 2012 | Ahemdabad, India

- Designed and developed an Android application that helps users at conventions automatically connect and Bluetooth chat based on commonly shared networks.
- Taught and introduced co-workers to NoSQL technologies and AWS.

University of Pennsylvania | Teaching Assistant for NETS 212
September 2013 – December 2013 | Philadelphia, USA

- Hold office hours and explain concepts such as the MapReduce programming model, Hadoop, cloud algorithms (PageRank, adsorption, friend recommendation), Cloud based solutions such as Amazon Web Services.
- Design and grade homework based on AWS, Hadoop and Node.js

PROJECTS

PinIt | Android, Parse SDK, G-Maps Android API v2, Facebook API, Volley
App Store: http://bit.ly/pinitapp | Github: http://bit.ly/git-pinit | *June 2013 - Present*

- PinIt: a location based note-sharing app that lets you share your memories of a place
- Implemented in-memory and disk-based caching system for loading bitmaps efficiently and making the user experience as 'buttery' as possible, implemented ability to post 'likes' & comments & a fault-tolerant geocoding based search along with dynamically loading comments and likes lists.
- Paid close attention to memory management, independently designed and developed the app from scratch, focusing on building a great UX and using appropriate libraries.

PicSpeak | Android, Java, SQLite, Amazon S3
App Store: http://bit.ly/picspeak | Github: http://bit.ly/git-picspeak | *Feb – May 2013*

- PicSpeak was developed using an Agile process and it assists in the therapy of aphasia patients by using voice-recognition to help patients form word-image connections by saying the words.
- Implemented a SQLite database to store player scores and stats, custom animations and a disk-based cache for images.

Pennbook | Java, Amazon EC2, SimpleDB, S3, Elastic MapReduce(Hadoop)
Nov – Dec 2012

- Developed a Facebook clone for 'Scalable Cloud Computing' course using GWT
- Built product features like user profiles, wall posts, friend requests with confirmation, privacy controls, dynamic newsfeed and friend recommendations.
- Implemented an adsorption-based algorithm using Hadoop to provide users with friendship recommendations.
- **It won an award from Facebook for the best final project.**

SocialBot | Python, Flask, FB & Twitter OAuth, Amazon SimpleDB, Heroku
URL: http://bit.ly/social-bot | Github: http://bit.ly/git-socialbot | *April – May 2013*

- SocialBot is a simple, minimalistic webapp that lets you schedule tweets and Facebook posts to be posted at a later date and posts them for you.
- Made the website responsive so it renders well on mobile browsers.
- Built the backend and scheduler using SimpleDB and Flask deployed on Heroku.

AWARDS

- Best Final Project Award – Awarded by Facebook
- Top 20% for Android in the world - StackOverflow
- Best New Team, set a world record - World Schools Debating Championships 2010