

CONTACT

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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
- *iPhone App Development
- 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 | Ahmedabad, 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)

- 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.**

Bitsurf | Django, Chrome Extension APIs, Coinbase API, SimpleDB, EC2, JS

- Bitsurf is a realtime micropayment monetization platform built on the Bitcoin protocol that pays users for surfing the web and it could revolutionize traditional advertising.
- Built the backend and the Chrome extension in 48 hours at the PennApps hackathon which anonymously detects user interactions to prevent spam bots.
- Won the Best Hack for Merchants award at PennApps'13 amongst 1,000 hackers.

AWARDS

- Best Final Project Award – Awarded by Facebook
- Best Hack for Merchants - \$1000 Prize at PennApps Fall 2013
- Top 20% for Android in the world - StackOverflow
- Best New Team, set a world record - World Schools Debating Championships 2010