Chintan A. Panchamia

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EDUCATION:

North Carolina State University, Raleigh, NC **(August 2015 – Present)**
Master of Computer Science; GPA: 3.42 (Graduation: May 2017)

University of Mumbai, Mumbai, India **(August 2011 – May 2015)**
Bachelor of Engineering, Computer Engineering; GPA: 3.55 (First Class; Graduation: May 2015)

TECHNICAL SKILLS:

Languages: Python, Java, R, HTML5/CSS3, NodeJS, jQuery, MySQL
Frameworks: Bootstrap, Django, Apache Spark, Flask, Selenium, Angular, Knockout, REST
Operating Systems: Windows, Linux, Macintosh OS X
Tools: R Studio, Adobe CC, Balsamiq, JustInMind, Sketch, Android Studio, Ansible Playbook, Processing

RELEVANT COURSEWORK:

Software Engineering, Human Computer Interaction, User Experience, Analysis of Algorithms, Algorithms for Data Guided Business Intelligence, Game Building AI, Database Management Systems, Operating Systems, Data Mining

WORK EXPERIENCE:

Van Dyke Technology Group, a Jacobs company – Software Development Intern **(Jun 2016 – Aug 2016)**

- Designed and integrated a completely open-sourced cloud network, using OpenStack Mitaka, along with OpenVPN to create a tunnel for users to log into the network from anywhere outside the laboratory
- Led a team for designing a unified Project Management and Version Control system, using Open Project, GitLab, and Wiki
- Carried out necessary prototyping and other UX activities to successfully design a portal and a front-end management system for the entire suite of components (Technologies: Django, HTML5/CSS3, JavaScript)

PROJECTS:

- **DockerBot** **(NCSU, Fall 17; Oct 2016 – Nov 2016)**
  - Designed a Slack Bot using the BotKit framework in Node.js, to build a bot for creating Docker files and images.
  - Used Selenium to test UI for correctness of the interface. (Node.js, Java, HTML, Selenium)
- **Sharks, Citizen Science Website for Middle Schoolers** **(NCSU, Spring 16; Jan 2016)**
  - Redesigned the UX/UI for the Citizen Science website for Middle School students.
  - The website offers a virtual dig site, with measuring abilities, that help in assessing the sharks that the teeth belong to.
  - Performed complete redesign on layouts and colors, introduced responsive designs, fine tuned on user surveys and sketches. (Twitter-Bootstrap CSS, JavaScript, jQuery, HTML5/CSS3)
- **Music Recommender System & Twitter Sentiment Visualizer** **(NCSU, Spring 16; Jan 2016)**
  - Built a Music Recommendation system using Python 2, and PySpark module, using Apache Spark and the ALS Machine Learning Algorithm on a dataset from audioscrobbler.com.
  - Built the Twitter Sentiment Visualizer using Python 2 and Apache Kafka, with NLTK to track positive and negative words related to a key search term; graphs of the same were plotted using Matplot in Python
- **University Library Database Application** **(NCSU, Fall 15; Sep 2015 – Nov 2015)**
  - Designed a Java 7 application that uses a MySQL database for managing the tables and connecting to an Oracle 10g backend. Made the GUI using the Java Swing library.
  - The application makes reservations for books, papers, articles, rooms, and technology.
  - These are PL/SQL procedures to maintain timed locks on every reservation, for students and faculty members appropriately. The application was modelled for the James B. Hunt Jr. Library (Java 7, Java Swing, MySQL, Oracle 10g)
- **Ink – A Social Network for Authors and Writers** **(NCSU, Sep 2015 – Nov 2015)**
  - Applied the UI/UX design principles put forth by Normal and Nielsen, along with analysis techniques such as the Keystroke Level Model, and the GOMS analysis technique, to come up with an effective User Interface, devoid of most design flaws (Twitter - Bootstrap CSS, JavaScript, JQuery, HTML5/CSS3)
- **Ringer using Twitter-based Crowdsourcing** **(NCSU, Fall 15; Oct 2015)**
  - Built a Python 2 application that uses the Twitter Streaming API to monitor, detect and process certain types of tweets put out by the user and their connections on the social network.
- **Real Time Analysis of a Movie's Performance** **(University of Mumbai; Aug 2014 – Apr 2015)**
  - Data collected for a movie before and after its release is used to observe if the targeted movie has lived up to its expectations, and if it is in accordance with the original prediction.
  - Accordingly the data is updated, to make future predictions more accurate (Python, PHP, HTML/CSS, JavaScript, JSON)