ROHAN MANOJ THAKKAR

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EDUCATION

UNIVERSITY OF WASHINGTON, Information School, Seattle, WA *(GPA - 3.66/4)*   *Anticipated: Jun 2017*
Master of Science in Information Management with specializations in -
1. Data Science
2. Mobile App Development
3. Business Intelligence

UNIVERSITY OF MUMBAI, K J Somaiya College of Engineering, Mumbai, India   *Jun 2015*
Bachelor of Engineering in Computer Engineering *(First Class Honors)*

SKILLS

- **Languages:** [Python, Java, SQL, R, Bash (UNIX), Swift 3, JavaScript], [D3.js, XML, HTML, CSS3, PHP]
- **Tools:** [MongoDB, SQL Server, MySQL, Titan], [Tableau, Visio, Visual Studio], [AWS, Gradle, Jira, Git]
- **Frameworks and IDEs:** Jupyter (IPython), R Studio, XCode, Android Studio, IntelliJ, Spark, Netbeans, Eclipse

WORK EXPERIENCE

CYANOGEN INC., Seattle, WA   *Jun - Dec 2016*
Software Engineering Intern (Data Cloud Services Team) - Full Time
- Proposed and deployed the first prototype of the app recommender service *(Python)* such that it runs on Spark and -
  - Scrapes app usage events from AWS S3, calculates app usage scores and pushes to graph EC2 instance
  - Implements multiple ML algorithms to store personalized app recommendations onto another instance
- For NewsFeeds ranking, implemented Gradient Boosting Tree for ML in scikit-learn and tried NLP using nltk
- Solely programmed and pitched a full-stack software to be integrated with the automation server, that it -
  - Performs data scraping *(REST APIs)*, computation and manipulation in Python for a NoSQL server
  - Generates interactive dashboard with multiple filters for pattern-recognition using D3.js on client-browsers

LARSEN & TOUBRO TECHNOLOGY SERVICES LIMITED, Navi Mumbai, India   *Jun - Aug 2014*
Development Intern - Full Time
- Optimized the JavaScript code - improving its speed by almost 45% and redesigned the GUI for user-friendliness

PROJECTS

FREEFOOD   *Dec 2016 - Present*
- Setup and integrated a Firebase server into the iOS App, defined its data schema and coded the data flow in Swift 3
- Using Xcode and Storyboard, created the ViewController for app's settings for a user to set preferences and alerts

LEARNING FROM TWITTER (DUBHACKS 2016) - https://github.com/27rohan/Twitter_Learn   *15 - 16 Oct 2016*
- Visual recommendation system that recommends a valid Twitter handle similar users and top words to tweet about
- Technologies: Twitter API, Microsoft Cognitive API, Firebase, Python, D3.js, HTML, CSS, AWS

CHASE IT - https://github.com/27rohan/Chase_it   *Apr - May 2016*
- Built an addictive native Android game with Android Studio using Java on back-end and XML on front-end
- Features: Multiplayer mode (Wi-Fi direct), touch screen and motion sensor recognition, local leaderboard

PET PROJECTS IN DATA SCIENCE - http://27rohan.github.io   *Dec 2015 - May 2016*
- Achieved store-sales forecasting (ranked in top 10%) for 45 Walmart stores as part of a Kaggle competition
- Performed web scraping using Beautiful Soup on the course catalog data of IIT in CSV & pushed as SQL to AWS
- Implemented modern techniques in machine-learning and econometrics using the IPython notebook environment
  - Algorithms: Regression (Linear & Logistic), kNN, k-fold CV, PCA, Naïve Bayes, Decision Trees
  - Datasets: Rotten Tomatoes reviews, Boston housing pricing, Progresa program in Mexico, Crimes in SF

END-TO-END BUSINESS INTELLIGENCE SYSTEM - https://github.com/27rohan/DataMart   *Jan - Mar 2016*
- Created ETL packages for a SQL warehouse using MS-BI Suite and analyzed sales figures to increase profit by 5%

COLORME (DUBHACKS 2015) - https://github.com/27rohan/ColorMe   *17 - 18 Oct 2015*
- Co-developed a native Android app that allows users to capture an image and displays the dominant color

PAGE INTEREST ESTIMATION (CAPSTONE) - https://github.com/27rohan/SpiderMonkey   *Aug 2014 - May 2015*
- Expedited web-crawling by 25%, worked on the back-end SQL database and PHP scripts connecting it to front-end