ROHAN MANOJ THAKKAR

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EDUCATION

UNIVERSITY OF WASHINGTON, Information School, Seattle, WA   *Anticipated: Jun 2017*
- Master of Science in Information Management - Data Science *(GPA - 3.66/4)*
- **Coursework:** [Data Scaling & Applications, Machine Learning & Econometrics, Data Analytics], [iOS App Dev, Android App Dev, Information Architecture], [Business Intelligence Systems, Analytical Methods, Strategic BI]

UNIVERSITY OF MUMBAI, K J Somaiya College of Engineering, Mumbai, India   *Jun 2015*
- Bachelor of Engineering in Computer Engineering with First Class Honors *(GPA - 3.78/4)*
- **Coursework:** Object Oriented Software Engineering, Data Structures & Files, Web Engineering, Data Warehousing & Mining, Data Management System, Distributed Systems, Computer Networks, Artificial Intelligence, Operating Systems

SKILLS

- **Languages:** [Python, Java, SQL, R, Bash (UNIX), Swift 3, Groovy, JavaScript], [D3.js, XML, HTML, CSS3, PHP]
- **Tools:** [MongoDB, SQL Server, MySQL, Cassandra, 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 2016 - Present*
Software Engineering Intern (Artificial Intelligence Research Team: Data Cloud Services) - Full Time
- As a founding member of the AI Research team for the upcoming modular OS product, my work encompasses -
    - Creating a web service for data scraping, cleaning & manipulation for an AWS instance of knowledge graph
    - Coding the machine-learning in Python for Feeds ranking & Recommendation engine (The latter being my idea)
    - Algorithms experimenting: Gradient Boosting Tree, Random Forest, Collaborative Filtering
- Solely programmed and pitched a full-stack software to be integrated with the automation server, that -
    - In Python, accesses data using REST APIs, filters it and reconfigures its structure for a NoSQL back-end server
    - Generates online interactive dashboard with multiple filters in D3.js on client-browser for pattern-recognition

LARSEN & TOUBRO TECHNOLOGY SERVICES LIMITED, Navi Mumbai, India   *Jun 2014 - Aug 2014*
Web development Intern - Full Time
- Refactored the JavaScript code, deducting its size by almost 45% and redesigned the GUI for user-friendliness

RAJ INFORMATION SYSTEMS PRIVATE LIMITED, Mumbai, India   *Aug 2013 - Nov 2013, Dec 2012 - Mar 2013*
Software Development Intern - Part Time
- Delivered an effective SQL querying for managing large databases at the client-side using SQL and TeamViewer 7

PROJECTS

(DUBHACKS 2016) LEARNING FROM TWITTER (https://github.com/27rohan/Twitter_Learn)   *15 - 16 Oct 2016*
- Visual recommendation system that, for a valid Twitter handle, recommends 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 on the course catalog data of IIT in CSV format using Beautiful Soup & 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 ratings, Boston housing prices, Progresa program in Mexico (1999-2000)

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

(DUBHACKS 2015) COLORME (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 in that image

(UNDERGRAD CAPSTONE) PAGE INTEREST ESTIMATION (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