ROHAN MANOJ THAKKAR

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EDUCATION

MASTER OF SCIENCE, University of Washington (UW), Seattle, WA   *Sep '15 - Jun '17*
Focus: Data Science, Business Intelligence, Mobile App Development   *GPA - 3.7/4*

BACHELOR OF ENGINEERING, University of Mumbai, India   *Aug '11 - Jun '15*
Focus: Computer Engineering

ONLINE PRESENCE

LinkedIn: rohanmthakkar   **Github:** 27rohan   **Website:** 27rohan.github.io/Portfolio

SKILLS

- **Languages:** Python, SQL, Java, R, Bash (UNIX) scripting, D3.js, HTML, CSS
- **Data tools:** [MongoDB, Titan, S3, Kafka, Firebase, Cassandra] [Oracle, SQL Server, MySQL] [Tableau, Visio]
- **Frameworks and IDEs:** [AWS, Jupyter notebook, PySpark, R Studio] [XCode, Android Studio]

EXPERIENCE

VMWARE, Palo Alto, CA   *Data Science Engineer: Jun '17 - Present*
- Built a machine learning system to predict the resolution time for open vSphere bugs *(Python, Oracle SQL)*
- Created new reports to present stories of interest and optimized the refresh period of existing ones *(Tableau, SQL)*

UW MEDICINE, Seattle, WA   *Big Data Developer: Jan - May '17*
- Meshing large SQL health data from remote Linux servers & performing required analysis *(ssh, Python - pandas)*
- Mapping location data to GPS using Google Maps API & creating interactive visualizations *(D3.js, HTML, CSS)*

CYANOGEN, Seattle, WA   *Software Engineering Intern (Data Cloud Services): Jun - Dec '16*
- Prototyped an App Recommender service and contributed to the NewsCard ranking service that -
  - Perform machine learning using to estimate user interest for personalization *(scikit-learn, PySpark)*
  - Integrate with the AWS-based NoSQL data pipeline to scrape historical user data *(Kafka, S3)*
  - Store predictions on an AWS-based that supports querying for user through Android app *(Titan graph-DB)*
- Coded (and presented in all-hands) a full-stack software that integrates with the Lava automation server and -
  - Performs data scraping using server APIs, logs-parsing and computations for a MongoDB server *(Python)*
  - Provides on-demand interactive online dashboard with multiple filters *(D3.js, HTML, CSS)*

LARSEN & TOUBRO TECHNOLOGY SERVICES, Navi Mumbai, India   *Development Intern: Jun - Aug '14*
- Redesigned a website for user-friendliness and reduced its loading time by 45% by redoing its backend

RECENT PROJECTS

TICKET GENIE (Capstone with iLink Systems, Redmond, WA)   *May '17*
- Coded the machine learning modeling behind all the predictions and persisted it for REST API requests *(Python)*

FREEFOOD - https://github.com/27rohan/Free-Food   *3 - 13 Dec '16*
- Coded in Swift 3 the real-time JSON data flow (read and write) between the iOS app and Firebase server

LEARNING FROM TWITTER (DubHacks '16) - https://github.com/27rohan/Twitter_Learn   *15 - 16 Oct '16*
- Visual recommender system that for a valid Twitter user, suggests top 10 similar users and 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 '16*
- 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 '15 - May '16*
- Understanding impact of words in critics by reviewers on the ratings using supervised ML on Rotten Tomatoes data
- 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