

ROHAN MANOJ THAKKAR

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Mountain View, CA - 94041

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EDUCATION

MASTER OF SCIENCE, University of Washington (UW), Seattle, WA
Focus: Data Science, Business Intelligence, Mobile App Development

Sep '15 - Jun '17
GPA - 3.7/4

BACHELOR OF ENGINEERING, University of Mumbai, India
Focus: Computer Engineering

Aug '11 - Jun '15
First Class Honors

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

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 BeautifulSoup on the course catalog data of IIT in CSV & pushed as SQL to AWS

ONLINE PRESENCE

LinkedIn: [rohanmthakkar](#)

Github: [27rohan](#)

Website: 27rohan.github.io/Portfolio