# ROHAN MANOJ THAKKAR

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## OBJECTIVE

Seeking a full-time position as a software engineer to help build scalable products          ***Available: Immediately***
**Website:** 27rohan.github.io/Portfolio          **Github:** github.com/27rohan          **LinkedIn:** linkedin.com/in/rohanmthakkar

## EDUCATION

**UNIVERSITY OF WASHINGTON (UW),** Information School, Seattle, WA          ***Anticipated: Jun 2017***
Master of Science in Information Management *(GPA - 3.6/4)* with focus on -
1. Data Science & Analytics          2. Mobile App Development

**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, CSS, PHP]
- **Tools:** [MongoDB, Titan, Firebase, SQL Server] [AWS, Spark, Gradle, Jira, Git], [Tableau, Visio]
- **Frameworks and IDEs:** XCode, Jupyter (IPython), R Studio, Android Studio, Visual Studio, Netbeans

## RELEVANT EXPERIENCE

**UW MEDICINE (PATHOLOGY DEPT.),** Seattle, WA          ***Big Data Programmer: Jan 2017 - Present***
- Mapping addresses to GPS + meshing and querying large health data from multiple sources + visualizing in D3.js

**CYANOGEN INC.,** Seattle, WA          ***Software Engineering Intern: Jun - Dec 2016***
- Deployed the first prototype of app recommender and contributed to NewsCard ranking services such that they -
  - Integrate with existing data pipeline, perform Machine Learning (ML) and serve top results to Android app
- Solely programmed and pitched a full-stack software to be integrated with the automation server such that it -
  - Performs data scraping (server APIs), logs-parsing and computations for a MongoDB server - all in Python
  - Generates interactive web-dashboard with filters using D3.js and HTML (http://52.35.89.43/errboard.html)

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

**RAJ INFORMATION SYSTEMS,** Mumbai, India          ***Data Management Intern: Aug - Nov 2013, Dec 2012 - Mar 2013***
- Delivered effective SQL querying to manage remote databases and analyzed sales figures to increase profit by 5%

## RECENT PROJECTS

**FREEFOOD** - https://github.com/27rohan/Free-Food          ***3 - 13 Dec 2016***
- Coded in Swift 3 the real-time JSON data flow (read and write) between the iOS app and Firebase server
- Using XCode and Storyboard (CocoaTouch framework), created ViewControllers for settings and posting event

**LEARNING FROM TWITTER** (DUBHACKS 2016) - https://github.com/27rohan/Twitter_Learn          ***15 - 16 Oct 2016***
- 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 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***
- 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
- Implemented top ML techniques in Python scikit-learn and R on 5 other problems with different prediction focus
- Performed web scraping using Beautiful Soup on the course catalog data of IIT in CSV & pushed as SQL to AWS

**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