

Amirabbas Jalali

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EDUCATION

University of Saskatchewan

M.Sc. in Computer Science

Saskatoon

Sep 2019 – Sep 2021 (Expected)

Sharif University of Technology

B.Sc. in Computer Engineering (Software Engineering)

Tehran

Sep 2014 – Jun 2019

PROJECTS

Movement Prediction | *Python, SQL, Git*

Mar 2020 – Apr 2020

- Final joint project of "Data and Process Modeling and Analytics" course.
- Collecting data from remote SQL server
- Transforming the data format from Latitude/Longitude to UTM coordinates
- Investigating the predictability of users' location traces, using predictive models to impute the users' data gaps.
- Visualized predicted traces using animations

Agile Market | *Django, Python, CI/CD, Test-Driven Development, Scrum, Git*

Sep 2018 – Nov 2018

- Final joint project of "Agile System Development" course.
- A real-time auction website developed using Django and Python
- Implemented CI/CD using Heroku pipelines and Github
- Developed under Scrum methodology
- Allowing users to create an auction, advertise their product and participate and buy product in other auctions simultaneously

Aviation Safety Data Analysis | *R, Python*

May 2018 – Jul 2018

- Final joint project of "Data Analysis" course.
- Crawling data available on [Aviation Safety](#) website using Python
- Analyzing data to find crash causes using Topic Modeling technique
- Evaluating some rumors and beliefs in aviation using hypothesis tests and data visualization in R

Moon Monopoly | *Java*

Apr 2015 – May 2015

- Final joint project of "Advanced Programming in Java" course.
- A strategic multiplayer board game that could be played over a network
- Same rules as monopoly with several added feature like throwing knife to other players and create a custom map and more

RESEARCH

Hierarchical Expert Recommendation | *Deep Learning*

Sep 2019 – Present

- Under co-supervision of Dr. Roy Ka-Wei Lee and Prof. Julita Vassileva
- Utilizing attention-based hierarchical neural networks to model the user's expertise and questions in a community question answering platform (Stack Overflow in this study) in order to retrieve experts who can answer a given question

Music Recommendation System | *Machine Learning*

Jul 2018 – Jun 2019

- Under supervision of Prof. M.A. Fazli
- Implementing a hierarchical Bayesian music playlist generation method based on Topic Modeling and Sentiment Analysis of the lyrics

TECHNICAL SKILLS

Languages: Python (Proficient), Java, R, JavaScript, C++, HTML, CSS, SQL

Frameworks: Django, Bootstrap, jQuery

Developer Tools: Git, PyCharm, IntelliJ, RStudio, Visual Studio

HONORS AND AWARDS

Top % 0.1 in the Iranian National Universities Entrance Exam for Bachelor of Science

Aug 2014

- Ranked 13th among thousands of participants.

VOLUNTEER WORKS

Chief Staff of 19th & 20th Asia Regional ACM-ICPC Contest, Tehran, Iran.

Technical Staff of 29th International Olympiad In Informatics (IOI), Tehran, Iran.

REFERENCE

Available upon request