

Amirreza Haghverdi

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SUMMARY OF QUALIFICATIONS

- 4+ years of experience in designing, developing, and testing web-based and mobile applications
- Experienced with several JavaScript and Python frameworks as a full-stack developer
- Experienced with adopting statistical and Machine-Learning approaches in visual analytics systems
- Seeking to learn new technologies; adept at working in both team and individual environments
- Skilled at problem-solving and handling research tasks
- Excellent communication skills (several teaching and project management experiences, and written and verbal fluency in English)

EXPERIENCE

CARSHAIR | FRONT-END ENGINEER

Victoria, BC, Canada (Remote) | Feb 2022-Now

- Development of CarShair mobile application in both iOS and Android Platforms using react native
- Industrial-level code optimization, secure API connections, proper version controlling and following scrum standards are major achievements in this company
- Development experience in Back-End using Node.JS using the TDD approach

UNIVERSITY OF WESTERN ONTARIO | MASTER'S RESEARCH

London, ON, Canada | Sep 2020 - Dec 2021

- Design and development of an exploration and analysis tool for PDF scientific documents
- Applying Machine learning and NLP techniques on scholarly data (e.g., topic modelling, document clustering, textual summarization) on API micro-services using Flask and other Python libraries
- Design and development of advanced interactive information visualization interface using ReactJS and D3.JS

RAYAN PAJOUH SALAMAT CO. | MOBILE APPLICATION DEVELOPER

Tehran, Iran | Jan 2019 – Aug 2020

- Design and development of Health-care and medical mobile applications (Hypertension management, medical telecommunication,)
- JavaScript, React Native, and Web-RTC were the mainly used technologies
- Designing Relational Databases, System Analysis and Design, and Startup planning were side tasks and activities

MINISTRY OF INDUSTRY, MINE AND TRADE | UI/UX INTERNSHIP

Tehran, Iran | Jun 2018 – Sep 2018

- Member of a UI/UX development team for implementing an online sale and trade platform using ReactJS

EDUCATION

M.Sc. in Computer Science

London, ON | Sep 2020 - Dec 2021

UNIVERSITY OF WESTERN ONTARIO

- **Thesis:** A Visual Analytics System for Rapid Sensemaking of Scientific Documents
- **Research Focus:** Human-Information Interaction - Visual Analytics systems - Scholarly Information Analysis - Text Processing and Natural Language Processing

B.Sc. in Computer Engineering

Tehran, Iran | Sep 2015 - Jun 2019

KHARAZMI UNIVERSITY

- Obtained the B.Sc degree with GPA 16.76/20, ranked top 10% of the class

SKILLS

Programming Languages and Tools

- Expert in JavaScript and TypeScript: React Native, React JS, Node JS, JQuery, D3.js
- Experienced with JEST, React Testing Library, BitBucket pipelines, and Auto-deployments using Bitrise
- Machine Learning and NLP theory and algorithms: SVM, Bayesian Methods, Linear/Logistic Regression, Decision Tree, Random Forest, Clustering, RNN, and Language models

- Python Modules: Numpy, Scipy, Pandas, Scikit-learn, Matplotlib, Gensim, SpaCy, NLTK, PyTorch
- Server-side Programming languages and Frameworks: JavaScript (Node JS, Express JS), Python (Flask)
- Databases: MySQL, Mongo DB
- Familiar with other programming languages: Java - CPP - Verilog - VHDL - Swift

Language Skills

- **English:** Full professional proficiency (C1)
- **Persian:** Native Language

ACADEMIC ACTIVITIES

Teaching Assistant at University of Western Ontario (Jan 2021 - Dec 2021)

- *CS2034: Data Analytics (VBA), CS1027: Computer Science Fundamentals II (Java), CS1033: Multimedia and Communication*

Mobile Application Design Workshop at Kharazmi University (Sep 2018 - Dec 2018)

- Held 12 sessions; using Adobe XD, React Native, PHP, and MySQL to develop a dynamic mobile application

Web Application Design Workshop at Kharazmi University (Jan 2018 - Jun 2018)

- Held 14 sessions; using Bootstrap, JQuery, PHP, CodeIgniter, and MySQL to develop a dynamic web application

SCHOLARSHIPS AND AWARDS

- Awarded Western Graduate Research Scholarship by Western University (Sep 2020 - Dec 2021)
- Honored to be eligible for studying Master of Artificial Intelligence directly as an elite student by Kharazmi University