Masi Nazarian

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Education

- **M.S. Software Engineering**. San Jose State University. CA. [Evening Program - in progress].   **2017 - 2018**
- **B.S. Mining Engineering.** University of Tehran. Tehran. Iran. [Top 3 in program].   **2009 - 2013**

Technical Knowledge

- Data Structures and Algorithms   • Object-Oriented Program Design   • Agile Methodologies
- C++   • C   • Assembly X86   • Java   • R   • MySQL | NoSQL   • .Net Frameworks (familiar)
- Python [TensorFlow | Keras | scikit-learn | NumPy | spaCy | virtualenv | pyenv | pyenv-virtualenv]
- Jupyter Notebook   • Time-Series Analysis   • ARIMA   • Facebook Prophet   • Unix | Linux • Bash
- JavaScript [AJAX | jQuery | Django]   • HTML5 | CSS | Bootstrap   • PHP   • TCP/IP

Relevant Coursework

- Assembly X86. Advanced Computer Architecture (Coursera). Database Design. Operating Systems. OOP Design & Data Structures. Advanced Java. Data Mining. Big Data. Machine Learning (Coursera). NLP | Deep Learning (Stanford ICME). Enterprise Software Systems. Numerical Computations.

Projects

- **US Stock Market Prediction** (ANN | LSTM | FB Prophet | ARIMA | AngularJS).   **Dec 2017**
- **Cryptocurrency Price Prediction** (Time Series Analysis | FB Prophet | ARIMA | Python)   **Dec 2017**
- **IntelliGame, a Java-based Game** (Greenfoot Game Engine | Design Patterns | Java)   **Nov 2017**
- **Twitter-like App for Stock Market** (Bootstrap | Django | Django REST API | AJAX | jQuery).   **July 2017**
- **Firmware for a Pump Tester Device** (Arduino | TFT Screen | C).   **May 2017**
- **eCommerce Website** (LAMP | HTML | CSS | jQuery | AJAX | JSON). marketplace.x10host.com   **May 2017**
- **A Peer-to-Peer Lending Platform Database Design** (MariaDB | PHP| Apache Server | MySQL). **Feb 2017**
- **Room Scheduler** (Java | Eclipse | WindowBuilder | MVC Pattern | Swing | Multi-Threaded).   **Dec 2016**
- **Elevator Simulator** (C++ | Microsoft Visual Studio | Microsoft Foundation Classes).   **Nov 2016**

Publications

- **A Fuzzy Decision-Making Model for Candidate-well Selection in Hydraulic Fracturing.** B.Sc. Thesis **2013**
  Designed an expert decision-making system using MATLAB Fuzzy Logic / Artificial Neural Networks.
- **A numerical study of dominant parameters affecting stability of horseshoe-shape tunnel in jointed rock mass based on sensitivity analysis method**. Nazem A., Farough H. M., Nabizadeh H., Nazarian M. International Journal of Mining Eng. and Geo-Eng. [Contributed as the C++ programmer].   **2012**

Work Experience

San Jose State University. Machine Learning Research Assistant.   **Oct 2017 - Present**

University of Tehran. School of Engineering. Teaching Assistant (multiple courses).   **2010 - 2013**

Research Institute of Petroleum Industry (RIPI). Reservoir Engineer Intern. Tehran, Iran.   **Jun-Sep 2012**
- Led team of 3 interns to collect core data; Learned required software and prepared well log reports.
- Communicated with a third-party to define project outlines, and elaborate on expected outcomes.

Falowrd Co. Tunnel Engineer Intern. [Subterranean tunneling. Tehran Metro System].   **Jun-Sep 2011**
- Collaborated with engineering team to control ground subsidence caused by subterranean tunneling.

Awards and Acknowledgments

- FOE (Faculty of Engineering) Top Student Award   **2010 - 2013**
- National Silver Medal in 15th Iranian National Physics Olympiads**.** Young Scholars Club.   **Sep 2003**

Memberships and Affiliations

- Software and Computer Engineering Society. SJSU.   • Society of Women Engineers (SWE).
- Engineers Without Borders (EWB). USA. SJSU.   • IEEE.   • ACM.