

Elyas Niroomand Toomaj

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EDUCATION

- **M.Sc. in Drilling & Production Engineering**, Sahand University of Technology, Tabriz, Iran (2013-present)
- **B.Sc. in Petroleum Engineering**, Sharif University of Technology, Tehran, Iran (2008-2013)
Cumulative GPA: **17.11/ 20 (143 credits passed)**
- Pre-University Certificate, Emam Reza Pre-University Center, Mashhad, Iran (2007-2008)
Cumulative GPA: **19.41/20.00**
- Diploma in mathematics and physics, Emam Reza high school, Mashhad, Iran (2005-2007)
Cumulative GPA: **19.71/ 20**

THESIS

- **“Construction of a cell for producing Methane Gas Hydrate and studying effect of Ultra Sonic waves on kinetics and Thermodynamics of gas hydrate”**, under supervision of Dr. Vahid Taghikhani, Sharif University of Technology (summer & fall 2011, spring 2012)

TEACHING EXPERIENCE

- Teaching Assistant of **Drilling Engineering II**, Sharif University of Technology
Dr. Saeid Jamshidi (fall 2012)
- Teaching Assistant of **Reservoir Engineering II**, Islamic Azad university, Science and Research Branch
Mr. Mojtaba Ghaedi (spring 2012)
- Teaching Assistant of **Reservoir Engineering I**, Islamic Azad university, Science and Research Branch
Mr. Mojtaba Ghaedi (fall 2011)

INTERNSHIP

- **Ahvaz Trades Training Complex (ATTC)**, courses in oil and gas production facilities, **National Iranian Oil Company (NIOC)**, Iran (Winter 2011 & Spring 2012)

CERTIFICATES

- **“Reservoir Modeling Using Eclipse (E100, E300 and Eclipse data office)”** Free Training Center of Sharif University of Technology lectured by Mr. Mosayyeb Shams, Assistant of Dr. Saeed Jamshidi (spring 2012)
- **“Pan-System, Advanced Well-Testing Analysis Software”**, Free Training Center of Sharif University of Technology lectured by Mr. Mosayyeb Shams, Assistant of Dr. Saeed Jamshidi (fall 2011)
- **“Offshore Drilling workshop”**, at the first National Iranian Gas Hydrate Conference in the Department of Chemical and Petroleum Engineering at Sharif University of Technology under supervision of Mr. Farid Firooz, Global **Petro-tech Drilling Company** (spring 2011)

- **“Pigging, Gas Pipeline and Gas hydrate workshop ”**,at the first National Iranian Gas Hydrate Conference in the Department of Chemical and Petroleum Engineering at Sharif University of Technology under supervision of Dr. Ali Vatani, Tehran University (spring 2011)

POSTERS

- **“ Superficial Critical Fluids”** in The First National Festival and Exhibition of Traditional Medicinal Plants and Natural Products at Tehran international fair, Tehran, Iran, under supervision of Dr. Iraj Goodarznia, Sharif University of Technology (Spring 2012)
- **“Catechins Extracted From Green Tea Leaves With Superficial Critical Fluids”** in The First National Festival and Exhibition of Traditional Medicinal Plants and Natural Products at **Tehran International Fair**, Tehran, Iran, under supervision of Dr. Iraj Goodarznia, Sharif University of Technology (Spring 2012)

SELECTED PROJECTS AND ACADEMIC WORKS

- **“ The Safety of Hydrate Production”** under supervision of Dr seyed Amir badakhshan, Sharif University of Technology (fall 2012)
- **“ Prognosticate the Wettability of Reservoir Rock and Suggesting the Best Method of Enhanced Oil Recovery (EOR) ”** using Netica software collaborating with Mr. Ghaedi, Ph.D. student of reservoir engineering at Sharif University of Technology (spring 2012)
- Writing the code for **“the Forecasting the Average Pressure of the Reservoir”** using Matlab under supervision of Dr. Saeed Jamshidi (spring 2012)
- Coding **“the Optimum Pressure of the Separators of the Three Stage Separation”** for the crude oil with known composition, temperature and stock tank pressure assuming automated optimization algorithm(Genetic Algorithm) under supervision of Dr. M.Hosseini Ghazanfari (spring 2012)
- Programming **“the University Educational System Sample”** by Delphi software under supervision of Dr. Mohammad Ehdaei, Sharif University of Technology (spring 2011)
- **“Master Development Plan(MDP) for Darkhoein Field Data”** using Crystal ball Software under supervision of Dr.Mohsen Masihi, Sharif University of Technology (spring 2011)
- **“ Two Phase Flow Pipeline Designing”** using Pipephase software, under supervision of D r. Ali Vatani, University of Tehran (spring 2011)

SKILLS

❖ COMPUTER:

- Reservoir Software: CMG (GEM, WINPROP), Eclipse (E300, E100, PVTi, FLOGRID),
- Production Software: Flow System, Pipe Phase
- Exploration & Petro physics Software: Petrel
- Optimization Software & Algorithms: Neural Network & Genetic Algorithm Toolbox in MATLAB, Ant Colony Algorithm, Crystal ball
- General Software: MATLAB, Microsoft Office

Package (Word, Excel, PowerPoint), Auto Cad

- Programming: C Program, Turbo Pascal, Delphi
- Operating System: Windows, Mac

❖ LANGUAGE:

➤ ENGLISH:

➤ **TOEFL IBT:** 103 out of 120

- ✓ Reading: 28 out of 30
- ✓ Listening: 27 out of 30
- ✓ Speaking: 23 out of 30
- ✓ Writing: 25 out of 30

➤ **GRE**

- ✓ Verbal: 144 out of 170
- ✓ Quantitative: 161 out of 170
- ✓ Analytical Writing: 2.5 out of 6

• ARABIC: Intermediate

• TURKMEN: Native

• PERSIAN: Native