

Experienced E&P professional working in North American, Asian, Middle Eastern & African markets/assets.

Skills

Reservoir	Production	Specialties	Software
Subsurface Modeling PVT, Material Balance, Reserves Estimation	Well Testing Workover Design Economic Evaluation	Predictive Analytics Optimization Forecasting & Risk	ValNav, Well View, Petrel Oil Field Manager, VBA MS Office, MATLAB

Relevant Experience

May 2014 - Present - **PetroPredict Inc.**, Canada, & Singapore

Chief Technology Officer & Lead Researcher

- Led engineering and research team of 6 people to design, build and deploy a tool which predicts risk of failure in 62,000+ pipelines, aids in scheduling maintenance and provides SCADA alerts.

Technologies: Tibco Spotfire, Microsoft Access, Excel, VBA, SQL, Python, R, HTML

Jan 2014 - Apr 2015 - **Facebook**, OpenCompute.org Team, California & China

Manufacturing Engineering Co-op Student

- Led American, European and Asian vendors to manufacture and assemble data center hardware

Sept 2012 - Dec 2012 - **Suncor (PetroCanada)**, Harouge (Libyan) Asset Team, Calgary

Reservoir and Production Engineering Co-op Student

- Conducted conventional oil field segment analysis (Well test analyses, material balance, oil in place, decline curve analysis) and collaborated with outside vendor to reporting reserves
- Evaluated workovers and recovery methods & presented strategy to team & Libyan management
- Examined economics & planned 3 workovers which resulting in a 33% increase in production

Jan 2012 - Apr 2012 - **Intex Corp.**, Refining & Facilities Team, Mississauga

Mechanical Engineering Co-op Student

- Designed facility equipment setups and created piping & instrumentation drawings (P&ID)

Education

2011-2016 Honours **Mechatronics Engineering**, Bachelor of Applied Science

Management Sciences (Minor), University of Waterloo

Highest Rank in Class: 1

Publication and Patent

Multifaceted Approach to Oil Field Segment Analysis using Artificial Intelligence

Andrew Andrade and Maurice Dusseault, SPE Canada Research Contest (Dalhousie), August 2014

Waveguide adapter plate to facilitate alignment of waveguide channel in microwave antenna assembly

M. Fakharzadeh, A. Andrade, S. Jafarlou, B. Lynch, and M. Tazlauanu, Patent Pending.

Awards

2014 Canadian Co-op (Intern) of the Year, Canadian Association for Co-operative Education

David McFadden Energy Award, Ontario Centre of Excellence

3rd Place at Graduate Research Paper Competition, SPE Canada

Best Overall First Year Student, Professional Engineers of Ontario, PCSS Alumni Excellence Award