

CONTACT

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☎ 4039211096

📍 Calgary, Canada

SKILLS

HTML, CSS, JavaScript, React,
Node.js and SQL Database

C#, Fortran and Matlab

LANGUAGES

English

Mandarin

AWARDS

Dean's Special Doctoral
Scholarship
2003-11-20
University of Calgary

Alberta Ingenuity Industry
Associate
2006-12-07
Alberta Ingenuity Fund

Jiancheng Du

FULL STACK DEVELOPER

SUMMARY

Passionate full stack developer seeking an entry level job to delight clients. Completed Software/Full Stack Development Program by ICTC and Bow Valley College. Past work in the oil and gas industry included the use of ArcGIS, and SQL Server database. Strong background in computer programming using Fortran and Matlab, and Windows and Linux operating systems. Ability to program using C# and JavaScript (Node.js) on the front-end and back-end. Understand SQL database theory and API, and able to apply HTML, CSS, JavaScript and React to create websites and user interfaces.

EXPERIENCE

Full Stack Development Student May 2020 - Nov 2020
ICTC and Bow Valley College

- Learned courses of C#, HTML, CSS, JavaScript, Node.js, and SQL Database.
- Developed a cashier calculator using HTML, CSS, and JavaScript.
- Developed a Transaction Management System in JavaScript with generator and yield features, and tested the code with Mocha, Chai, and Sinon.

Geomechanics/Geotechnical Engineer Oct 2008 - Jun 2019
Alberta Energy Regulator (AER)

- Conducted technical reviews of geotechnical modelling of tailings dam seepage and slope stability.
- Conducted geotechnical and geomechanics modelling studies for a variety of in situ oil sands projects regarding the caprock integrity.
- Coordinated oil and gas development applications and communicated with stakeholders for their concerns about the applications.

Geotechnical Engineer Dec 2006 - Oct 2008
Imperial Oil Resources

- Numerically modeled fracture propagation in the Colorado shales as a result of high-pressure steam injection in the oil sands reservoir.
- Performed Biot's consolidation analysis using self-developed finite element simulator.

EDUCATION

Software/Full Stack Development May 2020 - Nov 2020
Bow Valley College

Ph.D. in Geotechnical Engineering Sept 2001 - Nov 2006
University of Calgary

B.Sc. and M.Sc. in Civil Engineering Sept 1988 - March 1995
Sichuan University