

Experiences in industry internships

Presented by Bobby Gunning, Eric Rops and Bona Wu
September 18, 2015

Recruitment process

Online application

- Resume
- Cover Letter
- Transcript

Phone, single or group interview

Sometimes info. sessions or recruitment days

Job offer

Typical internship

- Exploration or development project if working with an E&P company
- Some processing companies offer summer internships
- Geophysics student positions are usually office-based, Monday to Friday, 8am-5pm
- Usually several presentations during an internship
 - Technical and non-technical
- Employers understand that students have little experience but still expect value added

My internships

- Summer 2013 – Devon Energy
 - Heavy oil development project
 - Grand Rapids Fm. (GP)
- Summer 2014 – MEG Energy
 - Thermal oil-sands exploration project (SAGD)
 - McMurray Fm.
- Summer 2015 – CNRL
 - Thermal oil-sands development project (CSS)
 - Clearwater Fm.



My internship experience with Nexen - CNOOC

Eric Rops
Summer 2015



Typical General Interview Questions

- Why did you choose Geophysics?
- What do you know about this company?
- Favorite / least favorite classes?
- Strengths / weaknesses?
- Where do you see yourself in 5 years?
- Why do you want to work in oil / gas?
- What is the price of oil?

Typical Behavioral Interview Questions

Tell me about a time when...

- you worked with a team
- you had to solve a technical problem
- you had a deal with a situation under pressure
- you had to deal with a difficult colleague
- you showed initiative to go above and beyond
- you adapted to something new
- you made a mistake

Work Setting at Nexen Office

- Weekly team meetings
- Informal progress presentations throughout summer
- Frequent Lunch & Learns
- Daily collaborations with geologists and geophysicists on my team

My Summer Project

- Offshore Brazil MegaMerge 3D seismic dataset (full stacks only)
- Project objective: characterize the post-salt fields in the northern Campos basin to better understand the post-salt potential in the nearby bid round blocks

Final Presentation to Managers

- Technical presentation of my project in mid-August
- Managers, VP's, and my entire team attended
- Lots of dry runs beforehand
- Pretty much defines your entire summer!

Bona's work experience at Nexen

- **Team:** Long Lake west oil sands asset
 - 2 geophysicists, 2 geologists, 8-10 engineers (including team manager), 3-4 students
- **Project:** first DAS-VSP
 - Test, evaluated the new technique, built workflow, baseline for future time-lapse survey
- **Training:** software, well logs, core, oil sands, SAGD, engineer operations, safety, student lecture series, field trip, JIVE, lunch and learn
 - Geophysicist need to understand geology, engineer and many others
- **Meeting:** team meeting(production review), geophysicists meeting, G&G, oil sands team, company meeting
 - Collaborate with geologists and engineers
 - Challenging for nonnative speaker