

Jeffrey Shen

Curriculum Vitae

Education

- 2011–2016 **Bachelor of Electrical Engineering/
Bachelor of Computer Science**, UNSW, Sydney, Australia.
WAM – 84.1/100
- 2009–2010 **Higher School Certificate**, Cranbrook School, Sydney, Australia.
ATAR – 99.5/99.95

Experience

- Feb '16 – Present **Alerts Software Engineer**, NASDAQ, Sydney, Australia.
Performing support and developer roles for the Nasdaq's Trade Surveillance Platform (SMARTS). Specifically, working with the Java code base which deals with detecting suspicious or fraudulent trading activity.
- Nov '15 – Feb '16 **Alerts Software Intern**, NASDAQ, Sydney, Australia.
Built a prototype for adding a templating feature to trade surveillance alert notifications. Key Achievement for this prototype:
- Designed a flexible yet structured data model for Nasdaq's 100+ Alerting patterns using JSON schema
 - Built an editor web app with auto-complete and preview functionality for template writing
 - Created visualization tools to illustrate value add of prototype
- Feb '14 – Feb '15 **Mobile Developer Intern**, IBM, Sydney, Australia.
Developed several mobile and web applications both individually and in teams utilizing mixtures of IBM, Apple and Open Source developer tools and platforms. Detailed achievements:
- Native Workforce Management App (Solo)
 - Developed a native iOS App to determine whether employees are available for project work. Required interfacing with large backend systems of records and adhering to company privacy and security policy.
 - Australian Open Web Dashboard (Team)
 - Australian Open Ops Dashboard for KIA Motor Group to collate metrics using on-site data transponders.
- Nov '13 – Feb '14 **Java Developer Intern**, MACQUARIE GROUP, Sydney, Australia.
Migrated a large futures trading Java software platform to fully automated builds and deployment as part of a larger transition to agile processes. Key tasks of the project:
- Resolving complex internal and external unversioned Java dependencies
 - Defining Maven build phases in conjunction with Sonatype Nexus repositories
 - Developing Bamboo build server tasks for continuous integration building and deployment

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📄 <https://github.com/jshe857>

Skills

Languages	Java, Python, Groovy, Scala, C, Matlab, Perl, Swift, SQL
Web	JQuery, AngularJS, Sass, Node.js, MongoDB, freemarker, jackson
Mobile	iOS, Hybrid development, Cordova, MobileFirst Platform, ionic framework
Dev Tools	git, SVN, Apache Maven, Apache Ant, grunt, IntelliJ IDEA, Visual Studio
SDLC	Cucumber, BDD, Continuous Integration, Bamboo, JIRA
Misc. Software	Adobe Photoshop, Adobe Illustrator, Windows, OSX, Unix

Awards

2011-2016	UNSW Engineering Dean's List
2011-2014	Australian Power Institute Bursary Holder
2010	Cranbrook Bronze Medallion For Scholarship
2010	Premier's All-Rounders List

Languages

English	Mothertongue
Mandarin	Intermediate
Latin	Intermediate

Extra Curricular

Societies	UNSW Electrical Engineering Society Executive (2013), UNSW Engineering Society Representative (2013), Engineers Without Borders (2011-2013)
Music	Sixth Grade Piano Associated Board of Royal Schools of Music (2007), Cranbrook Chamber Choir (2004-2010)
Other	Cranbrook In The Field Mentor (2008), Cranbrook Library Monitor (2010), Commended Award for Annual Classical Latin Reading Competition (2009), Participation in Woollahra Film and Photography Competition (2008)