

Dylan Griffith

Curriculum Vitae

WORK EXPERIENCE

MAY 2013 - JUNE 2014

Software Engineer II GROUPON, Chicago

Worked as a full stack web developer for the Internal Tools team at Groupon. We built web applications using Ruby on Rails, Javascript, JQuery, Backbone.js, MySQL and other technologies, to improve operational efficiency. We also built a web service using JRuby that managed data across Groupon's massive Service Oriented Architecture. With an emphasis on scalability and high availability we were able to create a service that allowed our clients to set up data across several of Groupon's backend services with a single API call and a unified interface.

NOVEMBER 2012 - APRIL 2013

Graduate Software Engineer INTEGRATED RESEARCH, Sydney

Fast paced agile (scrum based) development making use of collaboration tools such as SVN, JIRA and Confluence following Test Driven Development (TDD) practices. Developed software leveraging C#, .NET, XML, C++, Javascript and Perl. Developed automated tools to convert configuration files into SQL queries for use with new web platform. Made a significant contribution to the architecture of the new web platform.

FEBRUARY 2012 - NOVEMBER 2012

Physics Intern TOMRA SORTING SOLUTIONS, Sydney *R&D and analysis for mining sorting equipment.*

Testing ore samples under many sensors including: X-ray Transmission/X-ray Fluorescence, Photo-metric and Near Infrared. Performing data analysis using Matlab and Excel. I also developed several automated tools using Matlab and Perl for data processing which greatly improved the productivity of the data analysis team.

MAR 2012 - NOV 2012

Research in Quantum Computation THE UNIVERSITY OF SYDNEY *Quantum Information Theory Research.*

Worked on honours research project with the Quantum Group. My research involved using advanced numerical simulations, written in Matlab and C, to study complex quantum mechanical systems. I also wrote several Perl scripts for automating my simulations which were developed and run on the Quantum Group's 200GB RAM Unix system.

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📄 <http://dylangriffith.net>
Δ <https://github.com/DylanGriffith>

EDUCATION

2012 **Bachelor of Science with Honours**

First Class Honours
MAJORING IN PHYSICS
The University of Sydney

2009 **Bachelor of Science**

MAJORING IN PHYSICS
The University of New South Wales

AWARDS

2012 **Artificial Intelligence Award**

Top in class - AI (advanced)
The University of Sydney

2008 **Academic Achievement Award Scholarship**

University of New South Wales

SOFTWARE DEVELOPMENT SKILLS

Advanced JAVASCRIPT, JQuery, Backbone.js
AI/Machine Learning/Data Mining,
Unix and Windows, C/C++, Java

Expert Ruby on Rails, MySQL
Data Structures and Algorithms,
Git, GitHub, Perl, C#

PROFESSIONAL SKILLS

WRITTEN Excellent documentation and tutorial writing skills.
Have written Honours Thesis in Quantum Computing with first class honours grade.
I write a blog at
<http://dylangriffith.blogspot.com.au/>

VERBAL Strong verbal communication skills.
I enjoy public speaking and explaining concepts to others.

TEAM Experience in small Agile teams.
Worked on and delivered team projects following Agile and TDD practices
Excellent team work and leadership skills.