Shay Kalyan

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Objective

Software Engineer in Development

Education

Bachelor of Engineering (Honours), Software Engineering   2012 – 2015
The University of Auckland
First Class Honours with A+ Average.

National Certificate of Educational Achievement (NCEA)   2009 – 2011
Otumoetai College
Level 3 with Excellence.

Awards and Certificates

Dean's Honours List   2012, 2013, 2014
University of Auckland
Awarded to the top 5% of Software Engineering students in the academic year.

First in Course Awards
University of Auckland
- SOFTENG 370: Operating Systems.
- SOFTENG 325: Software Architecture.
- SOFTENG 306: Software Engineering Design 2.
- COMPSCI 314: Modern Data Communications.
- SOFTENG 206: Software Engineering Design 1.
- ENGGEN 131: Introduction to Engineering Computation and Software Development.

Recent Projects

https://fistbump.reviews — code review tool for GitHub
- Developed a web-based tool that provides the ability to perform effective code reviews on pull requests hosted on GitHub. Features include managing issues, iterations, and tracking approvals.
- Used front-end technologies such as **AngularJS** and **TypeScript**, with **Firebase** as the primary backend service.
- *Fistbump* won the 2015 Final Year Research Project Prize in the Software Applications category at the University of Auckland.

Robotic Healthcare Simulation
- **Led an 8-person team** to develop a software simulation using **C++** and **Python** to showcase swarm robotics in the healthcare context.

Pebble Watchface
- Created a minimalist watchface, *Trace*, developed in **C** for the Pebble smartwatch.
- Used **JavaScript** for web configuration, and deployed via the Appstore resulting in over 1,700 users.

Android Contacts Manager
- Designed and implemented a contact management application with an interactive contact card.

Employment

Microsoft, Redmond
Dec 2014 – Feb 2015

Software Engineering Intern
- Implemented support for dynamic virtual machine allocation in a test orchestration system using **C#**, **XML**, **Visual Studio**, and **Perforce** version control.
- Coordinated with internal teams to elicit requirements and validate the feature specification.

Sapphire Solutions Limited
Dec 2013 – Feb 2014

Software Development Intern
- Redesigned, constructed, and deployed the company's website using responsive **HTML5/CSS3** design.
- Increased web presence in competitive online search by applying **Search Engine Optimisation** (SEO).
- Created software tools using **Windows Forms** and **C#** for internal and external use to assist the operations of the business.
- Prepared client computers for off-site installation.

Target Road Tyres
Jan 2012 – Feb 2013

Administrator / Developer
- Involved in creating a 10 page website to allow the company to showcase thier products and services.
- Applied Search Engine Optimisation (SEO) techniques to increase web reputation.
- Tasked with administrative responsibilities including managing stock and providing tailored solutions for customers.

Volunteer Work

Software Engineering Students Association
2015

Part IV Representative
- Assisted in organising and promoting events hosted by the student led association.
- Provided a friendly and informative communication channel for students to elevate any concerns and provide feedback relating to courses or the university in general.

Peer Support Programme
2011

Student Mentor
- Participated in one-on-one interaction with first year college students to provide mentorship.
- Helped peers adjust to college life by listening to and resolving any academic or social issues they were experiencing.

Skills

Languages
Intermediate
- Java, C#.

Basic
- C, C++, Python, HTML5, CSS3, Sass, JavaScript.

Concepts
- Object Oriented Design, Relational Databases, Software Version Control.

Systems
- Windows XP, 7, 8, 10.
- Mac OS X.
- Linux.

Academic Transcript

Available on request.