David Mok

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NZ Citizen, full working rights

Education

May 2014 – Aug 2014   Yoobee School of Design (formerly Natcoll Design Technology, http://www.yoobee.ac.nz)

Web Design Bootcamp – studies in Front End Web Design and Development

Mar 2008 – Sep 2011   The University of Auckland

Bachelor of Commerce - Majors in Information Systems and Accounting

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Work Experience

Jul 2012 – Feb 2014, May 2014   NorthSouth GIS NZ Ltd (**www.northsouthgis.co.nz**)

Geographic Information Systems (GIS) Developer

- Designed, developed and implemented GIS solutions for a variety of clients
- Handled several frontline support desk calls, diagnosed, troubleshot and fixed bugs on integrated systems, identified the severity and impact of the issue and resolved them appropriately
- Provided quality assurance and thorough testing to ensure applications meet the client's needs and were free from bugs prior to delivery

Achievements

- *Auckland Airport (AIAL)* – delivered a suite of applications that digitises their Permit Issuing process for on-site Contractor work, and went on site to deploy the applications onto the client's environment.   AIAL has now used them to issue 600+ Permits to their Contractors
- *Canterbury Earthquake Recovery Authority (CERA)* – created an application to digitally record and graphically represent "Packages" of Vegetation Clearance work, giving the Residential Red Zone team a means to visually trace the progress of the Canterbury Recovery efforts
- *City of Los Angeles* – actively participated in the migration of NavigateLA, a web GIS application used by the Bureau of Engineering (BOE), from its old Autodesk MapGuide platform to a new Esri ArcGIS platform.
  This was done by evaluating the functionality of the old system and developing the means to re-architect the same functionality in the new system
- *Clutha District Council* – developed a tool for generating Land Information Management (LIM) Reports that is efficient, intuitive and flexible to the customer's needs
- *Department of Conservation (DOC)* – supplied product training to personnel, enabling them to embrace NSG's product and improve the service they provide to the public
- *Wellington City Council (WCC)* – created an innovative search/filter tool for the Council's Pathfinder web viewer, enabling non-technical members of the public to search complex data in a simple, friendly manner

Skills Profile

Software Development Skills and Experience

- 2+ years experience developing desktop and mobile solutions, using HTML5, CSS3, JavaScript and JQuery, as well as C# and Visual Basic on .Net 4.5, along with Python
- Can use Adobe Photoshop, Illustrator and other web design tools
- Database experience with Microsoft SQL Server 2008 and TSQL
- Expertise developing in SaaS/cloud computing environments, demonstrated by integrating GIS technology like Esri's ArcGIS Server, Latitude Geographic's Geocortex Essentials and Windows Workflow

Problem Solving/Analytical Skills

- During the CERA Vegetation Packaging project, keen attention to detail enabled vital tasks to be planned ahead of time, "hidden" requirements to be discussed with the Consultant and additional resources to be enlisted accurately.   By doing so, risks were mitigated before they occur
- When requirements changed in the course of the WCC Pathfinder project, by working with the database designer to revise and quality-check the current SQL data schema, the project was able to complete on time
- Refined problem solving and troubleshooting skills, gained from serving on NSG's frontline support desk

Communication/Interpersonal Skills

- During the product training for DOC, by patiently and empathically tutoring the trainees through the course material, good rapport and positive feedback were successfully built, making the training a success
- Possess documentation skills that were valued by the colleagues at NSG, from reporting technological research findings to writing technical guides for company applications
- Often provided demonstrations for the work completed, either internally at company meetings or to clients. Care was taken to ensure the language used was tailored to the skill of the audience.

Teamwork

- Collaborated as part of a team to deliver AIAL's digital Permit Issuing system.   Having been entrusted to lead the project, by working with the client to assess requirements and with colleagues to quality assure the entire process upon completion, the new system has now issued over 1000 permits to their Contractors
- When placed in charge of the Clutha LIM Report project, all user requirements were reviewed, the situation was checked with the team and several corrections were subsequently applied to the existing application.   As a result, the project fulfilled the design brief and the client's requirements
- Cooperated with colleagues on numerous occasions during upgrades of NSG's web viewers, modules, tools and servers, hosted on its geospatial cloud platform geoCirrus

Referees

Available on request