

NICK MARIETTE

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EMPLOYMENT HISTORY

July 2003 to present – Far Edge Pty Ltd

Web application software engineer, part-time

I program web-based applications using technologies chosen as appropriate to each project, including: MS ASP; SQL; JavaScript (server and client side), CVS, HTML, CSS.

Ongoing – self employed as NCM Consulting

In August 2003 I started a consulting business to take work as an expert on Lake Technology's *Huron* workstation. NCM Consulting services include: training, technical support, system design and software development for *Huron* and other spatial audio technologies. More information at: <http://www.ncmconsulting.com>

March 1999 to July 2003 – Lake Technology Limited

Feb 2002 to July 2003 – Product Manager

As product manager for the *Huron Digital Audio Convolution Workstation* I was responsible for managing ongoing development and sales of the product.

I worked with programmers, engineers, marketers, lawyers and other consultants to refine the product's placement within emerging markets in the fields of acoustic research and spatial audio production.

For Lake's customers I often took on system design and project management for the construction and commissioning of spatial audio systems.

Internal technical activities included development of product demonstrations, new software releases, maintenance of the product's software CVS repository, bug fixing (C, C++, Win32 API, Motorola 56k2 DSP assembly language) and management of releases of new software tools written by other engineers.

Jan 2001 to Jan 2002 – Systems Engineer, Lake US Office

I was wholly responsible for sales engineering, customer technical consultation and most other technical aspects of running the US office in California. I also developed custom solutions software for the *Huron* spatial audio workstation. A highlight of this period was designing and project managing the commissioning of a complete 14.1-channel spatial audio system in the main demonstration room at Silicon Graphics Incorporated (SGI) in Mountain View, CA.

March 1999 to Dec 2000 – Software Design Engineer, Lake DSP Sydney

I developed software products for Windows PCs and Lake's *Huron* workstation. Highlights include complete development of the *Lake Personal Listening Space* plug-in for the popular *MUSICMATCH® Jukebox* mp3 software and the *BinScape* binaural 3d audio software for the *Huron*.

I used C, C++, Win32 API, MFC, COM, Motorola 56002 DSP assembly language, RCS version control system.

July 1998 to Nov 1998 – University of New South Wales – Lab Tutor**Jan 1998 to Dec 1998 – Pacific Solar – Engineer, part-time****July 1997 to Dec 1997 – Pacific Solar – Industrial training student****Jan 1997 to June 1997 – Alcatel Australia – Industrial training student****EDUCATION****1998 – University of New South Wales**

Co-op Scholar.

B.Eng (Electrical) Hons (2.1)

Honours thesis: *Auralisation: Digital Signal Processing for 3D Audio*.

Grade for honours thesis: **88 High Distinction**.

1993 – James Ruse Agricultural High School

Higher School Certificate (TER: 98.65)

PROFESSIONAL EXPERIENCE AND SKILLS**Product management**

Strategic product planning and development

Development of product marketing materials

Technical writing for product manuals and other user documentation

Product sales management

Public presentations

Development and delivery of product demonstrations, presentations and training

Management of product promotion stands at international tradeshow

Software development

C; C++; Motorola 56002 DSP assembly language

Windows MFC; Win32 API; COM; Windows Driver Development Kit
Web: Microsoft ASP; JavaScript; HTML; CSS;
CVS, RCS software version control tools
Application packaging using InstallShield Professional and similar tools
Serial and packet communications protocols

Audio and digital signal processing

Algorithm prototyping and signal analysis using Matlab
Digital audio editing and processing using various stereo and multi-track tools

Databases and general productivity

Database specification, design, implementation, and use in SQL environments,
Microsoft Access and Lotus Notes
Microsoft Word; Excel; Power Point; Publisher; Adobe Photoshop, Adobe
Acrobat Distiller and other document design tools

OTHER ACTIVITIES**Panelist at Electrofringe new media arts festival, Newcastle, Australia**

2003 – Advanced Audio Patching Workshop. I presented my polyphonic granular synthesis implementation for the Pure Data (PD) signal-processing environment.
2002 – Electrofringe Patcher Workshop. I presented on audio patching in PD.

ACADEMIC REFERENCES

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PROFESSIONAL REFERENCES

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