

Francisco Romero

MEng, MIEAust

CAREER GOAL

Seeking a career in the electronic and computer field where I can use my tertiary training, professional skills and knowledge to develop and produce new technologies and achieve the goals of your organisation to the level of excellence.

QUALIFICATIONS.

- 2012-2014 **Master of Engineering with Advanced Studies** (Electronic and Computer Engineering). Griffith University
Grade Point Average: 5.5 (Scale 1-7, with 7 the highest).
Griffith Award for Academic Excellence 2013-2014.
- 2004-2010 **Bachelor of Electronic Engineering.** Specialisation: Telecommunications.
UNEXPO- Barquisimeto, Venezuela.

TECHNICAL SKILLS:

Advanced:

Electronic circuit design, PCB design with Altium Designer, electronic diagnostics, Visual Basic .NET, C#, C, Windows desktop development and TCP/IP networking.

Intermediate:

Embedded software and hardware programming, MATLAB, Python and Linux.

Basic:

Android Development, C++, Java, Git, and implementation of control systems.

EMPLOYMENT HISTORY

- 2016 May-
Present **Electronics Engineer,**
Trakka Corp Pty Ltd, Melbourne
- Key responsibilities:**
- Design of robust and highly reliable software and electronics.
 - Undertake electronic hardware developments and PCB design.
 - Performing theoretical and practical verification of hardware design.
 - Verification and validation of software and electronic systems including reviews, analysis, and testing.
 - Produce quality engineering documentation including test reports, design descriptions, verification cases, software requirements, and configuration management documents.
 - Collaborate with other team members to deliver outcomes effectively and on time.
 - Liaising with production, service and customers on technical issues
 - Fault finding and problem solving of technical issues relating to software and electronics designs.
 - Reviewing environmental qualification test plans and reports.
 - Develop factory & qualification Acceptance Test Procedures.
 - Assisting with software qualification testing.
 - Writing and Reviewing environmental qualification test plans and reports.
 - Conduct Environmental qualification testing.
 - Development and decomposition of requirements.

2015 May- 2016 Apr	Electronics Engineer, CRC Mining (University of Queensland), Brisbane Key responsibilities: • Designed electrical and electronic equipment to meet the specific requirements of research projects. • Designed electronics circuits with microcontrollers, memories, A/D converters, communication interfaces, I/O protection, and switching and control circuits. • Selected electronic components to comply with the project and application requirements. • Designed schematics circuits and mixed signal circuit boards (PCBs) with SMT and THT components in Altium Designer. • Implemented intrinsic safety standards to the electronic design. • Developed embedded software/firmware in C for dsPIC family of Microchip using mikroC PRO. • Conducted research related to the project objectives, engage in independent and team research and provide high quality technical reports.
2014 Jul - Oct	Research and Development Engineer (Software and Electronics Engineer) Pacific Data Systems Pty Ltd, Brisbane Key responsibilities: • Developed firmware in C and Python for AVR and ARM microcontrollers and software development in Visual C#. • Built prototypes using Linux embedded (Debian and Angstrom) in a development platform and prototypes with Atmel microcontrollers. • Designed electronics circuit and PCBs with SMT components in Altium Designer to interface with user and processing data with the microcontrollers using communication interfaces, I/O protection, and switching and control circuits. • Assembled, diagnosed and tested electronics circuits and PCBs with THT and SMT components using a microscope. • Collaborated to Web Application in JavaScript, CSS and HTML and desktop application in Visual C# with Visual Studio (.NET Framework 4.5).
2014 Mar-Jun	Design Engineer - Industries Affiliate Program Project Creative Lighting, Ipswich. Key responsibilities: • Created a Graphic User Interface for a Lighting Controller in Visual Basic .NET in Visual Studio 2010 (.NET Framework 4). • Programmed microcontrollers ATmega164P and ATmega644p in C creating two versions of firmware and communicated microcontrollers with computer using TCP/IP and serial port. • Implemented DALI and DMX512 protocol. • Testing Desktop Application in Windows 7 & 8 and Surface Pro.
2011 Mar - 2011 Mar	IT Support Level 2 - Team Leader Info Systems Department. Panama City Chamber of Commerce, Panama. Key responsibilities: • Built Computer Networks, networking cables and AV cables. • IT Support Level 2 to Customers and Staff. • Created LAN, installed and configured network printers, routers, switches and desktop computers. • Solved issues related to Microsoft Office and Windows XP, Vista & 7, computer equipment, AV equipment, printers and IT hardware.

- 2010 Jul-Dec **IT Support Level 2, Network Engineer and Web Designer.**
Cyber Studio Technology Inc, Panama City, Panama.
Key responsibilities:
- Designed a Website using HTML, CSS and JavaScript in Dreamweaver.
 - Designed LANs, configured and installed router, switches using subnets and VLSM.
 - IT Support Level 2 to Customer and Staff including Microsoft Windows XP & Vista issues, network printer installation, desktop and laptop configuration and maintenance.
- 2009 Jan **Sales Development Officer**
2010 Jan **FR Suministros (Electronic Goods), Barquisimeto, Venezuela**
Key responsibilities:
- Communicated with Clients to negotiate prices and payment methods.
 - Solved issues with warranty and replacing faulty equipment.
 - Created new clients.
- 2004 Jul - Oct **Assistant to Electronics Production Department.**
Ingeniería Creativa C.A, Barquisimeto, Venezuela.
Key responsibilities:
- Arranged and catalogued electronic components
 - Assembled of printed electronic boards.
 - Cleaning and cutting PCBs.

KEY SKILLS

- Excellent customer service skills and ability to build rapport with people from diverse age groups, cultural background, and at all levels.
- Strong oral and written communications skills, obtained through regular presentations, and writing clear and concise reports.
- Effective teamwork skills, gained through different team assignments, employment and participation in diverse sports.
- Self-motivated individual and highly productive with minimal or no supervision.
- Well-developed research and documentation skills, obtained by in my tertiary studies and work experience.
- Excellent analytical and problem-solving skills developed through my bachelor, masters and work experience.
- Ability to work well under pressure and great time management skills to meet deadlines and targets.

TRAINING AND SPECIFIC PROJECTS.

- 2010 **Diploma in Basic Linux** – 40 hours in the Interamericana University of Panamá. Panama City, Panama.
- 2010 **Diploma in management skills.**
Technological University of Panama. Panama City, Panama.
- 2010 **Desktop Application Development with Visual BASIC.NET (WinForms)** - 40 hours.
Seminar-Workshop, Technological University of Panama. Panama City, Panama.
- 2010 **Web Application Development with Visual Basic.Net 2008** - 40 hours.
Seminar-Workshop, Technological University of Panama. Panama City, Panama.

AREAS OF INTEREST

Baseball, soccer, futsal and going to the cinema.

REFEREES

Edward Prochon
Project Leader
CRC Mining

Paul Gapes
General Manager
Pacific Data Systems Pty Ltd