

CV - Roberto Rojas

Personal Details

Name	Roberto Enrique Rojas Ormeno
Address	Avenida el Santo, 4415 La Serena, Chile
Phone number	56 51 205613 (work)
Email	rrojas@gemini.edu
Date of birth	28/November/1963
Place of birth	Antofagasta, Chile
Passport number	9.947.120-4
Country of citizenship	Chile
Marital status	Married, 4 children

Education

1982-1986	Five year Computer and Software Engineer degree from Universidad Catolica del Norte.
1978-1981	Liceo Gregorio Cordovez, La Serena, Chile.
1970-1977	Colegio San Antonio, La Serena, Chile.

Work Experience

November/2000-present	<p>Gemini Observatory, La Serena, Chile. I started to work with the secondary control systems (SCS) of the Gemini South telescope.</p> <p>Also, I was in charge of the Data Handling System (DHS) development and installation of new DHS software version.</p> <p>Participated in the TReCS instrument installation and testing at Gemini South. We had hard time getting the Chopping observation mode working properly and reliable for long period.</p> <p>Participated in the Flamingos-2 software development with the University of Florida.</p> <p>With the arrival of the new software manager the group was reorganized. Moved to the MCAO in 2008, in charge of the BTO (Beam Transfer Optic) software development. Now, we are in the last phase of the project and close to finish it.</p> <p>Development of the ICTD (Instrument Configuration Tracking Database) a WEB application developed in PHP and the mysql motor engine.</p>
September/1998 - October/2000	<p>European Southern Observatory, Paranal, Chile (www.eso.org)</p> <p>Hired as a Software Engineer to worked mainly in the telescope control systems, which were based in the VLT software under VxWorks. Had to program mostly in C and Tcl/Tk. Initially assigned to the FORS instrument commissioning. Then assigned to the Environment Control System (ECS) which controls the dome temperature during the day and at night open and close building doors and vent gates.</p>
Julio/1987 - August/1998	<p>European Southern Observatory, La Silla, Chile (www.eso.org)</p> <p>Hired initially as a student Programmer to work in the Dutch Telescope Control System. Then moved to ANTARES program, a Windows based application to check the telescope quality. Used in the 3.6 meter telescope and in the 4.0 m. telescope at Tololo.</p> <p>Participated in the NTT telescope upgrade to the VLT software. Finally, called UT5 fro the software point of view used as a lab. for the VLT software development before to start to used it in Paranal Observatory.</p> <p>Support at night the ESO Telescopes operation.</p>

Skills/Knowledge

Operating systems	Solaris and Linux (RedHat and Fedora), Windows knowledge.
Programming languages (in order of proficiency)	ANSI C, PHP, Tcl/Tk, C++, Pascal, Java, Perle. Javascript, Phyton.
Systems	EPICS, RTAP, MySQL, APACHE
Others	Native Spanish speaker. Written and spoken English.

Training

December/2009

Landmark Education's Leadership Retreat. Three and a half day training in Kona, Hawaii

August/1994

RTAP, Real Time Application Platform, Calgary, Canada.

July/1994

Four day course. VxWorks. Given by Wind River. Alameda CA.