Ryan Bunney

Ryan Bunney
International Centre for Radio Astronomy Research
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Australia

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Education

University of Western Australia
BSc Honours (Expected) 2017.
BSc 2015,
Double major in Computer Science and Engineering Science.

Perth Modern School
Western Australian Certificate of Education.
ATAR: 95.05

Research

**International Centre
for Radio Astronomy Research**
Outreach Research Assistant.
Designing online tools to help teach primary school students about computing and astronomy, 2017.

Teaching

**School of Humanities,
University of Western Australia**
Teaching Assistant. Global Challenges, Research and Leadership; Introductory research unit for the Bachelor of Philosophy (Honours) degree, 2017.

Professional Experience

Vix Technology
Graduate Engineer. Embedded systems developer for smart payment systems, 2016.

**International Centre
for Radio Astronomy Research**
Programmer. Python developer for theSkynet Sourcefinder, 2015.

Scholarships and Awards

University of Western Australia
Undergraduate Summer Vacation Scholarship, 2014-2015.
Undergraduate Winter Vacation Scholarship,2014.
Assured Entry, Master of Professional Engineering, 2013.

Techincal Skills

I have professional experience in C/C++, Python, and a variety of web technologies. I have keen interest in developing applications for scientific computing, working with embedded systems, and building software tools. More information on some of the projects I work on can be found at my [Github page](#).

Operating Systems
Linux, Solaris OS, macOS, Microsoft Windows

Languages
C/C++, Python, MATLAB, Java, LaTeX, Javascript, Ruby
HTML, CSS

Database
Prostgress, Oracle, MySQL

Cloud and Virtualisation
AWS EC2/S3/RDMS, Heroku, VMWare, Oracle VirtualBox.

Tools
git, Subversion, Visual Studio 2015, Intellij/Eclipse, Confluence/Jira.

Soft Skills

Teamwork
As a volunteer within community organisations such as the Red Cross and Nedlands Youth Advisory council, I have been able to develop my interpersonal communication skills and learn to address the needs of multiple stakeholders, which I believe is essential when working as an academic, and as a teacher. From my experience as a software engineer in industry, I have used Scrum/Agile project management methods within a team that worked with an international client, and as a result understand the need for flexibility not only with respect to the client's needs, but also that of the team.

Soft Skills (cont.)

Public Speaking

As a trained classical vocalist, I am comfortable performing and teaching people in front of an audience. The skills from performance have translated well to other areas of my life; these include teaching and presenting learning material to school children and university students; and delivering technical presentations to professionals and academics.

References

Assistant Professor Kathy Sanders
School of Human Sciences

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Dr. Chen Wu
International Centre
for Radio Astronomy Research

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