

Jon Richards

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Current Position

Senior Software Engineer – Head of SETI Observing, Center for SETI Research since 2008.

- Searching for radio signals at the Allen Telescope Array
- Schedule observation times and targets
- Develop software to perform the searching and signal analysis
- Maintain hardware and software
- Evangelist public talks

Professional Experience

- 2008-Present** SETI Institute - Senior Software Engineer, head of SETI observing.
- 2006-2008** High Country Tek - Embedded system development for hydraulic controls on large industrial machinery.
- 2005-2006** Nokia - Backend services development for Nokia's internet mobile gaming platform.
- 2002-2005** Highwire Software - Startup founder, VP of Engineering, product architect and developer. Thick internet client.
- 1998-2007** Ecofront Pty Ltd. - Home automation product design and development. 8000+ units installed in Tokyo. Developed a system that could control your entire house, including security cameras and alarms, with email, SMS and full internet browser control.
- 1992-1999** TerraMar Information Systems – In-flight photogrammetry and geo-location systems. Developed systems installed in aircraft that perform accurate ground mapping using a variety of instruments.

Current Technology skills

- Proficient in C/C++/C#/JAVA/Ruby/Javascript/ObjectiveC
- Embedded system development. C/C++/Asm
- iOS app development. 4 apps in the Apple App Store
- Android apps. USB drivers on an Android device.
- Ham radio call sign KK6NZQ

Patent

2010 - United States patent # 8,350,494 B2 - A fluorescent light dimmer. Requires no in-wall wiring. Hook it up to a controllable ballast at the fixture. Does not plug into power - is powered by the ambient current in the power wiring. Flick the light switch once - it brightens a level. Flick it twice faster and it dims a level. VERY cost effective if retrofitting an existing fluorescent light installation.

Education

BS Electrical and Computer Engineering, University of Iowa, 1985