

Ron Record

Specialties: Open Source Solutions, Multiple Programming Languages
Blockchain Expertise, Cloud/Services Workflow Automation

Education

- *Ph.D. Mathematics, University of California, Santa Cruz*
Research in applications of dynamical system theory including models of marine snow, the Italian economy, cell morphogenesis, and population dynamics. Developed a software laboratory for algorithmically detecting the boundaries of basins of attraction in a chaotic dynamical system.
Erdős number: Four
Thesis Advisor: **Ralph Abraham**

Employment

- | | |
|------------------|---|
| 2020-2021 | <i>Principal Engineer</i>
Eloquent Cloud, LLC |
| 2018-2020 | <i>Big Chief</i>
Moonlight Mining Company |
| 2012-2017 | <i>Staff Engineer</i>
VMware, Inc. |
| 2010-2012 | <i>Artificial Intelligence and Virtual Reality research consultant</i>
Second Life |
| 1983-2010 | <i>Senior Open Source Architect</i>
Santa Cruz Operation (SCO) |

Recent Technical Experience

- Automation of billing, provisioning, and deployment of Cloud services
- **Solidity** and **Plutus** smart contract development on the Ethereum and Cardano blockchains
- Development, packaging, distribution, support, and maintenance of several open source projects with automated continuous integration using the Gitlab CLI
 - **DriveCommandLine**, manage Google Drive from the command line
 - **RoonCommandLine**, command line control of the **Roon audio system**
 - **MirrorCommand**, command line control of the **MagicMirror platform**
- Created prototype baseball card auction and trading site using the **InterPlanetary File System** (IPFS) and the **Filecoin** digital payment system

Earlier Technical Highlights

- Developed the prototype for VMware's Cloud Management of IoT device hubs
- Lead Technical Architect, SCO Linux
- SCO's primary representative and voting member on the UnitedLinux Management team
- Technical Architect of SCO Open Source strategy and programs
- Founding member, **86open**
- Senior SCO Security Officer
- Technical lead in research, planning & presentation of a 1990's Cloud Computing initiative
- Created, designed & prototyped the **SCO Webtop**
- Guided and coordinated a global team of engineers in the design and production of the SCO Skunkware CD-ROMs (Open Source solutions for developers and partners)
- Ported, integrated, packaged, distributed and maintained hundreds of Open Source projects
- Architect of GNUUnix, an integrated Open Source and UNIX operating system and user environment
- Designed and implemented SCO world-wide source and revision control system
- Created energy efficient smart home using technology developed in the Automatic Guidance and Navigation group at NASA Ames Research Center

Publications

- Gardini, L., R. H. Abraham, R. J. Record, D. Fournier-Prunaret, [1994] "A Double Logistic Map", International Journal of Bifurcation and Chaos, Vol. 4, No. 1, 145-176
- Abraham, R. H., G. Chichilnisky, R. J. Record, [1994] "Dynamics of North-South Trade and the Environment", Environmental Economics, Graciela Chichilnisky, ed., Mattei Foundation, Milan
- Co-author "Chaos in Discrete Dynamical Systems: A Visual Introduction in 2 Dimensions", Telos/Springer-Verlag
- Co-author "Just Plane Chaos" teaching guide CD-ROM
- Co-author and presenter of a paper on Linux emulation at 1998 Summer USENIX
- Author "SCO and the Open Source Movement", SCO World, Jan/Feb/Mar 1999
- Author "Porting Open Source Software to SCO", SCO World, November/December 1999

Social Media / Projects

- Blog: <https://blog.ronrecord.com>
- Facebook: <https://www.facebook.com/ronrecord>
- Github: <https://github.com/doctorfree>
- Instagram: <https://www.instagram.com/doctorfree>
- LinkedIn: <https://www.linkedin.com/in/ronrecord>
- Twitter: <https://twitter.com/ronrecord>
- YouTube: <https://www.youtube.com/c/doctorfree>