

# Robin Paul Dunn

Software Engineer with 30 years experience in a broad range of application domains

## EXPERIENCE

### **Simpetus, Remote** — *Technical Consultant*

June 2020 - Oct 2020

Assisted with various aspects of the open-source electromagnetic simulation package Meep, and related projects. My work included adding features or solving problems in C++ or Python, automating the generation of the documentation, and updating/improving release and deployment scripts for anaconda. Work and deployment platforms include both Linux and macOS.

### **Enthought, Austin TX** — *Senior Scientific Software Developer*

Jan 2013 - Mar 2020

Worked independently, and also as a member of world-wide teams, on internal projects, foundational libraries, and on enterprise customer specific projects, mostly with Python but also C++ and a little C#. Specialized on custom builds of Python and assisted with a deployment tool for installing Python environments and packages from a carefully curated and custom-built collection of Python packages. Windows, Linux, macOS.

### **Bio-Rad Laboratories, Pleasanton CA** — *Software Consultant*

Jul 2012 - Oct 2012

Software development of a desktop application using Python, wxPython, NumPy and Matplotlib which facilitated the visualization of the droplets processed by a scientific digital PCR machine, and other information about the results. Windows, macOS.

### **UNMC, Omaha NE** — *Software Consultant*

Apr 2008 - Mar 2012

Used Python, wxPython, Oracle, etc. in the development of advanced clinical patient tracking applications for medical institutions. Windows, macOS.

### **NOAA, Seattle WA** — *Software Consultant*

Apr 2011 - Dec 2011, Apr 2008 - Aug 2008

Created and maintained a desktop GUI application for Windows and OS X called CAMEO Chemicals Standalone that enables NOAA's CAMEO web application to be used entirely offline. Windows, macOS.

### **Open Source Applications Foundation** — *Software Consultant* — Dec 2002 - Feb 2008

### **Sliceware, Portland OR** — *Software Architect* — Jan 2001 - Nov 2002

### **Jenkon, Vancouver WA** — *Senior Technical Director* — Sep 1996 - Dec 2000

### **Illuminet, Olympia WA** — *Senior Software Engineer* — Oct 1994 - Sep 1996

### **3M HIS, Salt Lake City UT** — *Software Engineer & Tech Lead* — May 1990 - Sep 1994

3931 E 18th ST  
Vancouver, WA 98661  
**(360) 281-8611**  
robin@alldunn.com  
linkedin.com/in/robind  
github.com/RobinD42

## EDUCATION

BS, Computer Science, Brigham Young University, 1991

## SKILLS

- Cross platform GUIs
- Python, C/C++, bash, JS
- Linux, macOS, Windows
- Remote working
- wxPython, wxWidgets, SWIG, SIP, Git, GitHub, SQL, SVN, PyQt, VSCode, Conda, Jenkins, Azure Pipelines, CircleCI, Appveyor, TravisCI, Docker, Vagrant

## ACHIEVEMENTS

1992: Nominated to the 3M Circle of Technical Excellence

2002: Awarded the ActiveState Programmer's Choice award

2006: Coauthored *wxPython in Action*, published by Manning Press

## PROJECTS

1998 - present: **wxPython**

wxPython is an Open Source cross-platform GUI toolkit for the Python programming language, based on wxWidgets. It allows Python programmers to create desktop applications with a robust, highly functional graphical user interface. I am the creator and prime developer on this project. See <https://wxpython.org>