

Stevan White



• **data analysis**

• **software engineering**

• **programming**

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Skills

- object-oriented design, analysis, and programming (OOA/OOD/OOP, UML)
- modular and structured programming (Java, C++, C#, Python, Perl)
- other languages: XSLT, C, PHP, Perl, PowerShell
- IDEs, SDKs: Eclipse, MS Visual Studio, Android Studio, Gnu tools, SVN, Git; Ant
- GUI applications programming: Android, Java, Mac OS, X, Windows (Frames, WPF)
- database programming: SQL (MySQL, PostgreSQL)
- operating systems: MS Windows, Mac OS, Linux/Unix
- Internet communications programming: TCP/IP, HTTP(S), XML
- WWW technologies: HTML(5), CSS, DOM, XML, XSL, XSD, SVG, JavaScript

Employment history

Jan '21 – Founded Harmonische Software, a computer programming and consulting business.
present Freelancing as computer programmer.

Jan '19 – Occupied with various projects: developed a Python package for graph theory.

Dec '20 Administered GNU FreeFont project.

June '18 – Software Developer for Medical Devices—[OD-OS GmbH](#)

Dec '18 Designed, developed Windows software for retinal laser device and interface to cloud-based data storage solution. Took part in hiring and filling out ISO standards documentation.

Feb '17 – Wrote open-source Android app. Administration of free software projects--wrote

May '18 Python scripts for them. Travel (Spain, Greece).

Mar '14 – *Professional Services Engineer*—[DocYard GmbH](#) (Previously [LuraTech GmbH](#))

Jan '17 Develop, install and debug workflow solutions for customers using distributed document processing products, including script development and testing. Present tutorials on product use, provide technical support.

June '11 – Occupied with various projects, many involving programming. Administered GNU

Mar '14 FreeFont project.

- June '07 – *Scientific Programmer* — [Leibniz-Institut für Astrophysik Potsdam \(AIP\)](#)
- June '11 Project sharing computing resources on the grid. Collaborated with cosmologists to run very large astrophysical simulations. Researched, implemented, documented and published methods for integrating computing resources into grid. Coordinated with other groups in the management of computing resources. Developed a web front end for database applications.
- Sept '03 – *Scientific Programmer* — Max Planck Society [Albert Einstein Institute \(AEI\)](#)
- Dec '06 Optimized astrophysical simulation software on large computer computers. In purchase of new cluster, researched technical options, took part in decision-making process, conducted acceptance test procedures.
- Mar '98 – *Team Leader / Application Designer / Programmer* — asterion
- Mar '01 Built interfaces for medical insurance system. As development team leader, designed and oversaw production of Java-based network interface for an SQL database. Leadership tasks including scheduling, prioritizing, attending top-level business meetings, hiring new employees, and reporting to senior management.
- Jun '92 – *Data Analyst and Programmer* — CTF Systems, Inc.
- Jan '98 Responsible for research and implementation of methods for imaging of human electromagnetic data from clinical devices, and for solving data noise problems. Wrote analysis programs for stimulus sequencing and magnetic dipole tracking.
- Sept '88 – *Computer lab tech* — [SFU Math Department](#)
- May '92 Maintained networked computer lab.
- Sept '82 – *Teaching assistant* — [SFU Math Department](#)
- May '91 T.A.'d most undergraduate applied math courses,.
- Sept '80 – *Instructor / Teaching assistant* — [Texas Tech Math Dept](#)
- Aug '82 Taught Calculus II, Geometry, and Business Math

Education

- B.S. 1979 *Mathematics (Physics)* — Texas Tech University
- M.S. 1982 *Mathematics (Physics)* — Texas Tech University
Thesis: “Invariant Imbedding Applied to Singular Inhomogeneous Two-Point Boundary Value Problems”
- Ph. D. (a. b. d.) *Mathematics* — Simon Fraser University
Thesis: “The Resistive Strip Integral Equation”

Studied: Calculus I, II, III, Linear Algebra, Real, Complex, Numerical and Functional Analysis, ODEs, PDEs, Rings and Fields, Statistics, Number Theory, Topology; Elementary and Atomic Physics, Classical and Quantum Mechanics, Quantum Field Theory, Optics; French, Latin, Mandarin Chinese. Specialized in Two-Point Boundary Value Problems and Multigrid.

About me

Language: speak German functionally, read French, studied Spanish, Italian, Russian, Greek, Mandarin Chinese, a little Dutch and Latin. *Other interests:* mathematics (mostly analysis topics), physics, typography, history (early middle ages, ice ages) *Enjoy:* Bicycling, swimming, playing guitar (alone), reading