

Ruben Safir

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GNU/Linux Programmer specializing in C++ with extensive knowledge in Biological Sciences and Medicine. Skilled teacher in programming. Accomplished organizer.

Experience

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| 2000 - Present | NYLXS – Lead Organizer, President, Educator |
| Tasks | <ul style="list-style-type: none">Organized NYLXS as a non-profit Free Software Training and Education Institution 2000.Perform computer related tasks including establishing and maintaining the web presence, with Apache, Perl, Embperl and MYSQL.Run the mailing list and handle social media.Teach courses and workshops in Perl, C, C++, Linux System Administration, and Kernel Development |
| 2000 - 2003 | Brooklyn Linux Solutions - Technology Specialist and CEO |
| Tasks | <ul style="list-style-type: none">Managed 8 employees including 1 sales rep, 4 general technical staff, 1 Microsoft integrator, and 2 software developers.Developed small business networks, with desktops, email services, file sharing, VPN and secure accessInstalled and created Telephony systems for international VOIP callingSecured the network with IPTables. TCP/IP configurationConfigured Sendmail and Postfix, with popmail (Dovecot and Mailman)Developed and programmed E-commerce and web services.Allowed for organizational wide file sharing with SAMBACreated Customer Software Development with GTK, C and Perl for multiplatform clients |

Skills:

Computer Languages: C, C++, Perl, Apache, Web Design and HTML, PHP, Java, SQL, PLSQL, Oracle, CLIPS

Computer Methodologies:

Compiler Theory, Threaded and Parallel Programming, Algorithms, Phylogeny, Artificial Intelligence, Database Theory and Practice.

Languages:

English – Native Speaker
Hebrew - Rudimentary mostly based on religious activities.

1997 - 2000	NYU College of Dentistry - Program Manager and Intranet Services
Tasks	<ul style="list-style-type: none"> • Manager of Intranet, Software Development and Project Manager • Specialized in database driven Web Programming using DBI, ModPerl and Perl • Installed and imported the clinical database to Oracle on Red Hat Linux • Completed byte by byte translation of a proprietary clinical database into MYSQL with a hex editor and Perl. This was a large reverse engineering job • <i>Trained many students and employees who are now all working across NYC in a variety of large and small firms. Trained in programming and management, with emphasis on reusable coding technique, library development, and public speaking and presentation skills.</i>
1994-1998	Brooklyn On Line - Web Developer <ul style="list-style-type: none"> • Performed HTML editing • Developed graphics design, animation and photography • Reported the news including interviews and fact checking. • <i>Was responsible for overall website development, developing new templates and experimental techniques in the young internet.</i>

Education	
1983-1986	NYCTC <ul style="list-style-type: none"> • Majored in Chemistry • 3.82 GPA • Preparation for Pharmacy School • Deans List
1986-1989	Long Island University School of Pharmacy <ul style="list-style-type: none"> • BS in Pharmacy • 5 Year BS • Scholarship winner for Academic Achievement • Dean's List
1995	Long Island School of Pharmacy <ul style="list-style-type: none"> • PhD program in Pharmaceutics

Presentations and Workshops:

Weeking Radio Show 2002:

Broadcast on ICECAST over the internet 10 years before podcasting

Perl Programming - Taught at the New School in 1999 and the Free Software Institute 2000 - 2006

C++ Workshop – NYLXS on line workshop from 2002 - 2011

GTK Presentations– Writing Backup Programs in C and GTK

Interests:

Computers - I've been fascinated and hacking computers since the days of punch cards.

Art - Rembrandt, Vermeer and the Dutch Golden Age.

VanGogh. Jewish themed arts especially from Tzfat. Modern work. Coins. Comics. I've traded in art as a hobby.

Paleontology – Computational Biology and Phylogies

Fishing – Fished extensively in New York

	<ul style="list-style-type: none"> • Fellowship Winner • Never completed do to family obligations
1996	COPE Institute of Agudah Yisorel <ul style="list-style-type: none"> • C Programming and Oracle Database • 5 month intensive program that lead to a career change into software development
2014 - 2017	Long Island University – Brooklyn <ul style="list-style-type: none"> • MS in Computer Sciences • 3.52 GPA • Graduated in May 2017 • Thesis: Computational Basis for Phylogenetics and Artificial Intelligence in Fossil Evaluation • Specialized in AI, Algorithms, Compiler Theory, and Operating Systems

Affiliations: NYLXS IEEE FSF
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Publications:
<p>Linux Journal:</p> <ul style="list-style-type: none"> • Responsible Leadership: Tony Stanco and the EGOVOS Problem • Politics is Local, so Get Political Locally • Door-to-Door for DMCA Reform <p>NYLXS Journal:</p> <ul style="list-style-type: none"> • Brain Drain 2 – a look at US Education and H1B Visas • Rabbits in the Foxhunt – The new DRM Wars • US Department of Commerce DRM Workshop Political Action 2002 • C++ Workshops • Pharmacy Dosing Examples in C++ • Getting a Bigger Tent: Free Software's End Game • Presentations at APRIL and the Libre Software Meeting in Bordeaux, France 2002 • NYLXS-Public Service for the Free Software Community in the NYC Area • Connecting Open Office to MySQL • NYLXS Political Action Report: The Fair Use Bill • The Road From Here Lessons of the recession for Free Software • Reasons Why Fair Use is Important to Geek Linux Users • Who Owns That Downloaded File Anyway? • Writing a backup program in GTK and C • Kernel Design and Schedule Models • The New Dot Com Boom • UEFI – the New Booting Process for x86 systems • binary calculations in C