

Sean X. Luo

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Experience

Operator – Pheromonicin Biotech Ltd., New York NY July 2011 to Present \$100,000 + equity

- Laid the groundwork for the planned US operations of an international biotech development joint venture.
- Advised on IT and web infrastructure feasibility and requirements, including hardware/software purchases, location and backup/security requirements, frameworks and programming languages/implementations, and the consolidation of all existing web resources under one umbrella.
- Jointly responsible for coordinating US-based legal work, production, business development, and public relations/marketing, including seeking out US partners, possible licensing and joint development opportunities, and future investment partners.

Software Engineer – AHAlife, New York NY February 2011 to June 2011 \$83,000 + equity

- Part of a three-person team in a VC-funded startup environment responsible for the maintenance and development of a high-traffic and -demand luxury e-commerce site and platform running on a custom-rolled Django CMS.
- Responsible for back-end programming and front-end styling and design, as well as command-line based utility scripts and other technical needs including image processing and hardware troubleshooting and upgrades.
- Programmed on a Mac system in Python 2.6, Django 1.2/1.3, xHTML/HTML 5, CSS 2.0/3.0, Javascript and AJAX (jQuery) using MySQL databases.
- Maintained multiple 3rd party API calls including Facebook (Connect, Graph, FBML and Social Widgets), Twitter Connect, Salthru (e-mail list maintenance and Horizon), and tracking/analytics (Google Analytics, Martini Media, etc.).
 - Was integral to implementing the version 2.0 site redesign across all pages, specifically custom mouse-over image-maps and feature carousels using a 3rd party Javascript driven image-mapping utility that was custom integrated into the Django backend CMS for ease of use by non-technical editorial staff in selecting images, drawing mouse areas, associating area content, and creating custom content for areas.
- Facilitated the backend overhaul and transition from Django 1.2 to 1.3 and the move from a European-hosted SVN repository to a new Git hosted repository.

Senior IT Associate – FTC, Beijing China October 2009 to January 2011 \$90,000 + equity

- Maintained and developed the online web presences for FTC's portfolio companies, running off Linux and Windows servers.
- Responsible for back-end programming and front-end styling and design.
- Programmed on a Mac system in PHP 4.0/5.0, xHTML, CSS 2.0/3.0, Javascript and AJAX (jQuery) using MySQL databases.
 - Developed online art gallery and bidding system for FTC Art, a portfolio company representing contemporary Beijing artists and their work. Created an administration interface to create new artist and art records with sample photo uploading and categorization options. Created extensive front-end to view and purchase available art utilizing the latest jQuery UI tweaks.

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PHP Programmer – VS Media Inc., Calabasas CA

January 2009 to September 2009

\$63,000

- Part of a four-person team responsible for the maintenance and development of administrative command-line based scripts running off Linux based servers, web-based internal data-driven administration panels to manage high-volume forward-facing websites (sub 5000 Alexa rating), and front-end web applications and customer sites with a focus on video and audio streaming technologies.
- Responsible for back-end programming and front-end styling and design.
- Programmed on Windows systems in PHP 4.0/5.0, xHTML, CSS 2.0/3.0, Javascript and AJAX (jQuery) using MySQL databases. Provided administration using Linux command line.
 - Developed customer mailing system from the ground up with support for creating HTML/PlainText dynamic content, sending only to subsets of customers with customizable specifications, automatic sending based on predetermined schedule or recurrence, ultimately reaching 250,000+ users at any time.
 - Overhauled entire frontend layout of the main site, integrating new web standards and technology like AJAX and additional jQuery, across 50+ forward facing pages.

Rhythm and Hues Studios, Los Angeles CA

February 2008 to January 2009

MIS Programmer/Intern

\$55,000

- Part of a six-person team responsible for the development and maintenance of custom-written internal data-driven web applications in a cross-platform environment based on studio-wide needs.
- Programmed on Linux systems in Perl, CGI, TemplateToolkit, ModPerl, xHTML, CSS 2.0, Javascript and AJAX using MySQL and Informix databases.
 - Developed a single-point-of-contact web application with a dynamic-search user interface that ties together and queries two MySQL databases and one Informix database to provide historical data on any deployed system. Wrote application using Perl, CGI, xHTML, CSS 2.0, Javascript and AJAX; ported application over to a custom-developed MVC Framework utilizing Perl, Apache, TemplateToolkit, ModPerl, xHTML, CSS 2.0, Javascript and AJAX.

Systems Operator

\$50,000

- Part of a ten-person team responsible for the technical support, maintenance, monitoring and upkeep of all users, systems, servers, networks, software and peripherals in a cross-platform environment on a 24/7 basis for a user base of over seven hundred.
- Provided hardware and software troubleshooting over the phone; remotely using RSH, SSH and Telnet; and in person.
- Utilized remote and command-line administration, custom-written utilities, tools and reports, ticketing systems and escalation techniques.
- Wrote custom Perl scripts utilizing MySQL and Informix databases.
- Used CGI, xHTML, CSS 2.0, Javascript and AJAX to deploy script features on the Studio intranet.
- Managed nightly, weekly and monthly backups and restores utilizing custom-written CPIO Perl based scripts and Tape Robot backup systems.
 - Developed a FTP Server monitoring cron that runs at specified intervals and on demand to provide real-time data on disk usage. Programmed in Perl and provided a web interface using CGI, xHTML, CSS 2.0, Javascript and AJAX.

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Sarah Lawrence College, Bronxville NY

January 2007 to January 2008

Jr. Programmer/DBA

\$47,000

- Part of an eight-person team responsible for the development and maintenance of custom-written internal data-driven web applications in a cross-platform environment based on the needs of the College Administration.
- Provided technical support for a user base of over two hundred and fifty using remote administration through Remote Desktop, Citrix and VNC, ticketing systems and escalation techniques.
- Responsible for the upkeep, utilization and report generation of an IBM iSeries/AS400 DB2 server through the IBM iSeries Client Access interface.
- Generated additional reports using Microsoft Access 2003 and Sybase Infomaker.
- Managed nightly, weekly and monthly backups and restores utilizing customized built-in backup systems of the IBM iSeries/AS400 server.
- Programmed on Windows and Mac systems in PHP 4.0, xHTML, CSS 2.0/3.0, Javascript and AJAX using MySQL, Microsoft SQL Server and DB2 databases.
 - Developed a PHP script to generate an Active Directory import file using a complex MySQL query with multiple joins, sub-queries and unions and concatenating a specific line-by-line string recognizable by Active Directory to provide nightly updates to the College's internal servers.
 - Developed a dynamic web interface to generate custom reports and queries based on user inputs through text fields, drop-downs and radio buttons. Interface featured to-the-moment query previews generated using AJAX, export file previews generated using AJAX and Microsoft Excel export file generation functionality using PHP header functions. Application was developed using PHP 4.0, xHTML, CSS 2.0, Javascript and AJAX and queried an IBM iSeries/AS400 DB2 database.

Help Desk Technician

\$38,000

- Part of a seven-person team responsible for the technical support, maintenance, monitoring, deployment and upkeep of all users, hardware, software and peripherals in a multi-platform environment for a user base of over twelve hundred.
- Provided hardware, firmware and software troubleshooting over the phone; remotely using Remote Desktop, VNC and Apple Remote Desktop; in person; and through scheduled appointments.
- Utilized ticketing systems and escalation techniques.
- Utilized boot disks like BartPE, cloning/remote-cloning techniques like Norton Ghost and custom-written VB scripts/Apple scripts in the deployment of all new systems.
- Lead community wide workshops, seminars and information sessions on such topics as Microsoft Outlook, Computer Hardware and Microsoft Excel.
- Trained and managed over twelve student employees on a rotating schedule.
- Programmed on Windows and Mac systems in PHP 4.0, xHTML, CSS 2.0/3.0, Javascript and AJAX using MySQL databases.
 - Wrote a data-collection web application to facilitate the inventory of all technology assets on campus using text fields, radio buttons, database-driven and database-updated drop-downs and checkbox procedure-verification features which stored collected data in a MySQL database, updated data using an additional custom-written web application and exported data using PHP header functions to a Microsoft Excel file for import into a third-party Centennial asset tracking system/database.

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Skills

Programming/Scripting Languages:

- xHTML/HTML 5
- CSS 2.0/3.0
- Javascript/AJAX
- jQuery
- PHP 4.0/5.0
- Python
- Wordpress/Django CMSs
- Perl
- ModPerl
- CGI
- TemplateToolkit
- MySQL/Other flavors of SQL

Systems:

- Windows 98/XP/Vista/7
- Microsoft SQL Server
- MacOS 10.x
- MacOSX Server
- Linux
- IBM iSeries/AS400
- Informix
- Apache

Troubleshooting:

- Bootdisks, network booting and network deployments
- Cloning, remote cloning and imaging
- Remote administration
- Virus and spyware removal
- Windows registry and OSX library hacks and workarounds
- BIOS, software, hardware and firmware upgrades
- Data recovery
- Backup and restores

Other:

- Conversational fluency in Mandarin Chinese
- Published in the international physics journal Applied Physics Letters

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Education

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| Antioch University – Los Angeles, CA (low residency) Pursuing a Masters of Fine Arts in Creative Writing | In Progress | M.F.A. |
| Jenzabar – Boston, MA Introduction to Portal Programming using C#/ASP.NET Certification | November 2007 | Certificate |
| IBM – Bronxville, NY IBM iSeries/AS400 Operator Certification | July 2007 | Certificate |
| New Horizons – New York, NY Microsoft Access 2003 Certification | June 2007 | Certificate |
| Sarah Lawrence College – Bronxville, NY Bachelors of Liberal Arts with a Concentration in Music and Writing | December 2006 | B.A. |

Professional References

- Craig Miller, Lead PHP Developer, VS Media Inc. 818.606.2779
- Sha Fagan, Director, Academic Computing, Sarah Lawrence College 914.395.2471
- Gary Ploski, Assistant Director, Academic Computing, Sarah Lawrence College 914.395.2464
- Emily Sharp, Manager of Web Projects, Academic Computing, Sarah Lawrence College 914.395.2464
- Greg Conn, Web Developer/Programmer, Information Systems, Sarah Lawrence College 914.395.2677