

TECHNICAL

Languages: Java, VB.NET, VBA, Python, C#, JavaScript, Bash

SKILLS

Technologies: JSP, JQuery, D3, HTML, XML, CSS, Swing (Java GUI Toolkit), Pipeline Pilot, RabbitMQ, Sinequa, Linguamatics I2E

Operating Systems: Windows, Linux, Mac OSX

EXPERIENCE

Bristol-Myers Squibb

Hopewell, NJ

Programmer Analyst

March 2012 – Present

Python, Bash, VB.NET, VBA, Java, Javascript, JQuery, D3, C#, Linguamatics I2E, Pipeline Pilot, Oracle SQL

- **Sinequa Migration**

- Contributing technical expertise to migration efforts from in-house Scientific Search to vendor-purchased Sinequa application.
- Using knowledge gained working on Scientific Search project to evaluate new application's ability to meet user and technical requirements.
- Identifying and implementing required functionality absent from the vendor application.
- Determining requirements for deploying Sinequa application into production environment.
- Supervising and guiding new developers, as well as assisting Business Analyst with capturing technical details.

- **Scientific Search**

- Contributed technical expertise to design and development of an in-house scientifically aware search engine.
- Wrote and executed test scripts in HP-ALM.
- Automated process of building deployment packages for Development, Test, and Production environments.
- Designed and implemented process for checking if the latest version of a document was already present in the index, eliminating the need to re-index it and greatly reducing incremental indexing times.
- Designed and implemented process for automatically removing documents from Microsoft FAST collection after they have been removed from SharePoint.
- Developed AutomationMQ application, used by the Scientific Search team to send predefined commands over RabbitMQ and execute them on a remote server. This allows the Scientific Search team to manage server-side applications without assistance from the server team, and without implementing remote management functionality for each individual application.
- Supervised other developer.

- **Linguamatics I2E and SIPA Workflow Tools**

- Provided technical expertise to SIPA (Scientific Information and Patent Analysis) team in the form of managing Natural Language Processing software and server, and developing applications to automate and optimize Analyst workflow.
- Managing Linguamatics I2E application and hosting server.
- Automated and optimized indexing of PubMed and PubMed Central sources.
- Automated weekly downloading and publishing of pre-built indexes provided by Linguamatics.
- Contributed to the analysis and then implemented of automation tools that improved the throughput of patent and literature analysis by **more than 50%**, allowing SIPA team to support more requests with fewer people.
- Developed Patent Indexer application which automatically downloads, sanitizes, indexes, and makes available for querying a list of patents provided by the user.
- Co-developed Smart Query application, providing a simple but powerful interface for running I2E queries.
- Developed macros for dynamically highlighting hit-terms and embedding molecular structures in patent documents, increasing their value for Patent Analysts and Chemists.

- Developed a Competitive Intelligence dashboard in Pipeline Pilot for tracking and visualizing drug developments in Thomson Reuters Cortellis Drugs API.
- Developed application for querying the Thomson Reuters Cortellis Drugs API and visualizing the data by development phase and common drug properties.
- Migrated Current Awareness news alerts application, relied on by hundreds of users, from unsupported Verity system to Microsoft FAST.

Student Health Services, Stony Brook University

Stony Brook, NY

Programmer / Support Technician

Sept 2007 – Dec 2011

VB.NET, VBA, MS SQL Server 2005, MS Visual Studio, MS Visio

- Developed a database application for tracking qualifications of medical staff, which is vital for the Student Health Services to continue legally providing medical services.
- Developed an application for storing and searching information about private practices associated with the University Counseling Center.
- Developed a computerized asset management system to keep track of computers and store detailed information about their software, hardware, and deployment statuses.
- Provided software and hardware technical support in Student Health Services, and their affiliated departments several at University campuses.
- Provided training to new Computer Technicians and Programmers.

College of Business, Stony Brook University

Stony Brook, NY

Web Developer Volunteer

July 2010 – May 2011

Java, JSP, JSTL, JavaScript, JQuery, HTML, CSS, MySQL 5, GlassFish Server, NetBeans

- Developed and maintained an online Faculty Support system for the College of Business.
 - The system enables faculty to submit requests for a wide variety of needs, such as technical support, office supplies and expense reimbursement.
 - Administrators can view, respond to, track, and otherwise manage submitted requests.

OPEN SOURCE **Graphing Calculator** (<http://code.google.com/p/graphingcalculator>)

Feb 2010 – Present

PROJECTS Java, Swing (GUI Toolkit), SVN

- Developing an open source, cross platform, graphing calculator.
- Project replicates many of the features of a TI-83 graphing calculator.

AWARDS

Multiple Spot Awards for Outstanding Performance

IAS Data Shark Award, Dec 2012, Jun 2012

Certificate of Excellence for Outstanding Performance in Principles of Database Systems Course Project, Dec 2008

Dean's List, Fall 2007, Fall 2006

INVITED

Enhancing Out-of-the-Box I2E, Linguamatics Text Mining Summit, Oct 2012 (<https://goo.gl/TEiMWm>)

PRESENTATIONS

EDUCATION

MBA with concentration in Information System Management and Finance, **Stony Brook University**

Bachelor of Science in Computer Science, **Stony Brook University**