

Jason Love

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OBJECTIVE: To obtain a full-time position as a programmer in the field of computer science.

EDUCATION:

Lehigh University, Bethlehem, PA

Bachelor of Science in Computer Science, Jan. 2008

GPA: 3.04

COMPUTER SKILLS:

Topics – Object Oriented Programming, Design Patterns, DLL Files, Services, Automated Testing, Procedural Programming, Databases, Networking, Software Engineering, Data Structures, Assembler Design, Software Architecture, Operating Systems, Algorithms and Complexity Analysis, Agile Development, Version Control, and Web Programming

Language and Technologies – C, C++, C#, .NET, Linq, Entity Framework, VisualBasic.Net, VBA, Selenium for Automated Testing, Forms and GUI Programming, Java, Assembly Language, Multithreading, IPC, ASP.NET, MVC, PHP, HTML5, CSS, JavaScript, Bootstrap, XML and Parsers, JSON, SQL, Microsoft SQL Server, SQL Stored Procedures, SQL Transactions, SQL Views, MySQL, ADO.Net, UML, TCP/IP Stack, Sockets, asmx Web Services, Soap, ASP Restful Web API, TFS, Git

Operating Systems - Linux and Windows

MICROSOFT CERTIFICATIONS: HTML5 with JavaScript and CSS3

WORK EXPERIENCE:

LCCC, Tutor **2022 – 2023**

Sabbatical, Volunteer **2020 - 2021**

Essent Corporation; Application Software Developer **2012 - 2019**

- Responsible for debugging and adding feature requests (design) to Essent's Business and Accounting ERP Software; Used .Net, ASP.Net, VB, and JavaScript
- Converted legacy software to .NET and stored procedures. Developed code for Globalization of Compass using a .NET DLL
- Gained valuable experience with SQL Server, .NET, TFS, Web Services & Connectors, and working in teams
- Worked on object-oriented design for automated testing of Connector in .NET for ASP.Net application
- Worked on automated testing UI design in .NET; Used Singleton, Factory, and Decorator design patterns as well as JavaScript, HTML5, XPath, CSS, and jQuery
- Implemented language for automated testing UI application
- Made Data Model changes to database as necessary

Northampton Community College; Tutor **2011 – 2012**

- Tutored students in math and computer science topics

Lehigh University; Independent Contractor **2011**

- Gave educational lectures to marketing personnel
- Analyzed lobby computers which provide flash presentation using Gesturetek and touch screens
- Provided reports to marketing personnel

Fabspots.com; Website Error Corrector **2010**

- Corrected website errors which featured upscale shops and restaurants
- Learned about PHP, Smarty template engine, and MySQL

CyOptics Corporation; Software Development Engineer **2008**

- Wrote software in Java, C++, VB, JavaScript, HTML, and Perl to support the testing of lasers
- Worked with OracleCompleted a multitude of individual projects:

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- **Database Website**
 - Modified and created CGI scripts to allow users to update field(s) in database
 - Gained experience using Perl, CGI, HTML, and JavaScript

- **Syntune Project**
 - Developed part of a multi-threaded Java application and made use of a Java DOM parser
 - Gained experience with Java, locks (a mutex), multi-threaded programming, and NetBeans environment
- **Uploader**
 - Developed an organized, easy solution for fellow coworkers to upload data to Oracle database using Excel
 - Created an instruction manual and description document for users, as well as a multitude of versions to satisfy user requests
 - Gained experience with Excel VBA, ADO Recordsets
- **Rin Test**
 - Improved a current piece of Visual Basic 6 Software that was used in the automation of testing of lasers so that it could be integrated into a larger system written in object-oriented C++ with MFC
 - Gained experience using MFC, Microsoft Visual Studio, and debugging

PERSONAL PROJECTS/EXPERIENCE:

Lehigh University; *Volunteer*

- Met with customers within the computer science department and designed system requirements
- Developed ER diagram and schemas for database logical design
- Created tables in SQL with integrity constraints and populated tables with data
- Proposed user interface design

Independent Project; *8 Queens Solver with GUI*

- Independently created a recursive solution to 8 Queens Problem that utilized the stack and tree pruning for efficiency
- Wrote program in C#; Made use of .NET and .NET forms; Included a GUI interface complete with a chess board and queens

Independent Project; *Bioinformatics Course at Lehigh University*

- Compared performance of greedy approach to brute force approach to determine shortest common super string used in DNA sequence approximation
- Formulated problem as traveling salesman problem so that a recursive permutation generator created solutions in the brute force approach; Determined that greedy solution was the most efficient, but not as accurate
- Delivered and prepared classroom presentation on the feasibility of DNA computing

CareerLink; *Volunteer*

- Prepared students to take GED test at state agency

PROFESSIONAL AFFILIATIONS: Association for Computing Machinery (ACM)