# Summary of Qualifications

* Cutting edge software developer with proven record of delivering innovative solutions
* Easily adapts to new corporate cultures and development methodologies
* “Quick Study” with regards to evolving technology and subject matter expertise
* Readily provides solutions to complex information technology problems
* Actively participated in every phase of the SDLC
* Extensive experience in operations research and large scale data analysis
* Created many real time performance improvements of 10 to 100 fold

# Relevant Skills

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| --- | --- |
| **Languages** |  C, C++, Java, Perl, Python, VB, C#, MS VS “.net”, Xcode, Dash Code, JavaScript,  D3.js, lex, yacc, SQL, sqlplus, plsql, FCIF, XML, HTML, CSS, Jason, ksh, sed, awk |
| **Operating Systems** |  UNIX, Linux, and Windows most variants and many versions |
| **Data Base Software** |  Oracle, Navigator, TOAD, Sybase, Access, Sql Server,Teradata, ERwin  |
| **Math Modeling and Optimizing Tools** |  KMPS (Karmarkar Math Programming System), Bipartite matchers, CPLEX, OSL,  simulated annealing, alpha-beta pruning, fuzzy logic, BigML |

# Professional Experience (select for details)

[FyhrHouse Consulting - 11/2013 to present](http://www.rayfyhr.com/jobs/job_201311_to_now.pdf)

[Merck Research Labs - 1/2006 to 11/2013](http://www.rayfyhr.com/jobs/job_200601_to_201311.pdf)

[Polaris Software Lab - 10/04 to 1/06](http://www.rayfyhr.com/jobs/job_200410_to_200601.pdf)

[MindTrust Consulting - 12/03 to 6/04](http://www.rayfyhr.com/jobs/job_200312_to_200406.pdf)

[TechLink Consulting - 8/03 to 11/03](http://www.rayfyhr.com/jobs/job_200308_to_200311.pdf)

[MindTrust Consulting - 3/03 to 8/03](http://www.rayfyhr.com/jobs/job_200303_to_200308.pdf)

[ATP Inc. - 10/02 to 1/03](http://www.rayfyhr.com/jobs/job_200210_to_200301.pdf)

[Perii Systems, Inc. - 6/02 to 10/02](http://www.rayfyhr.com/jobs/job_200206_to_200210.pdf)

[Advanced Technology Solutions - 2/02 to 6/02](http://www.rayfyhr.com/jobs/job_200202_to_200206.pdf)

[Information Technology Partners - 3/01 to 1/02](http://www.rayfyhr.com/jobs/job_200103_to_200201.pdf)

[Advanced Technology Solutions - 9/95 to 3/01](http://www.rayfyhr.com/jobs/job_199509_to_200103.pdf)

[Telecommunications Premium Srvcs - 2/95 to 9/95](http://www.rayfyhr.com/jobs/job_199502_to_199509.pdf)

[PATH (Port Authority Trans Hudson) - 1991 to 1995](http://www.rayfyhr.com/jobs/job_1991_to_1995.pdf)

[AT&T Bell Labs, ADSS - 1989 to 1992](http://www.rayfyhr.com/jobs/job_1989_to_1991.pdf)

[AT&T Info Systems DSG- 1984 to 1989](http://www.rayfyhr.com/jobs/job_1984_to_1989.pdf)

[Mellon Bank - 1983 to 1984](http://www.rayfyhr.com/jobs/job_1983_to_1984.pdf)

# Papers and Industry Presentations (select to download)

* [RCMS paper – “An algorithm for identifying multiply modified endogenous proteins….”](http://www.rayfyhr.com/papers/RCMS_FINAL_20111108.pdf)
* [Keynote - Third International Conference on Proteomics & Bioinformatics](http://www.rayfyhr.com/papers/Proteomics_and_Bioinformatics_2013.pdf)
* [Keynote - Bio-IT World 2012, Boston, MA “Bioinformatics & the Cloud”](http://www.rayfyhr.com/papers/Bio_IT_World_20120426.pdf)
* [Poster - HUPO 2012 11th Annual World Congress, Boston](http://www.rayfyhr.com/papers/HUPO_20120909.pdf)
* [First WiFi PDA/Scanner in a Research LIMS](http://www.rayfyhr.com/papers/WiFI_PDA.pdf)
* [MetID tool for optimizing oligonucleotide research](http://www.rayfyhr.com/papers/Sirna_MetID.pdf)

# Education

# Colgate University, Hamilton, New York, B.A. Liberal Arts

# New York Inst. of Tech., Old Westbury, N.Y., M.S. Computer Science (with distinction)

# Member of the ACM - Association of Computing Machinery