

PHILIP NADEAU

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SUMMARY

- Master's degree student in Computer Science with AI/Machine Learning focus
- Experience Applying Machine Learning and Evolutionary Computation to Practical Information Retrieval · 16 years of software development experience
- Expert Linux, Apache, MySQL, Perl developer · SOLR, Ruby, C, Ada skills

EDUCATION

WESTERN WASHINGTON UNIVERSITY BELLINGHAM, WA	MASTERS OF SCIENCE, COMPUTER SCIENCE EXPECTED MARCH, 2011
	<i>Core graduate curriculum:</i> automata theory, algorithm analysis, programming languages, operating systems, scientific research methodology
	<i>Specialization:</i> Machine Learning, Genetic Algorithms, Genetic Programming, Natural Language Information Extraction and Retrieval
	<i>Electives:</i> Reconfigurable Computing, Parallel Processing, Embedded Computing
	Drivers for data collection devices in Windows, NetBSD, and FreeBSD with C/C++
STEVENS INSTITUTE OF TECHNOLOGY HOBOKEN, NJ	BACHELOR OF SCIENCE, COMPUTER SCIENCE AWARDED 1997
	<i>Core curriculum:</i> Science and engineering
	<i>Specialization:</i> Software engineering, UNIX development, algorithms
	<i>Electives:</i> Ethics, History of Science, Philosophy

EXPERIENCE

WHITE PAGES 1301 5TH AVE, SUITE 1600 SEATTLE, WA, 98121	SOFTWARE ENGINEER 2 2009 – Now
	<ul style="list-style-type: none">• As member of Architecture Improvement Team, upgrade legacy W3Data product to new Ubuntu platform and PCI-compliant billing system, including a migration without interruption of service.• Champion, design and implement “Find Rate Lab”, a machine learning driven test environment for a SOLR-based people search engine. Find Rate Lab was recognized at an internal Best Patentable Development competition.
	<i>Technologies:</i> SOLR, Perl, Ruby, CyberSource, Test::More

EXPERIENCE (2008 – 2001)

WESTERN WASHINGTON UNIVERSITY 516 HIGH STREET BELLINGHAM, WA 98225	GRADUATE ASSISTANT (LAB INSTRUCTOR)	2007 – 2008
	<ul style="list-style-type: none">• Lead instruction, grading, and tutoring of fifty undergraduate programming students per term.• Wrote seven full tutorials (totaling 41 pages) on fundamental programming in Ada 95 (expressions, control structures, packages, files and exceptions, string handling, arrays and matrices)	
INTERNETIDENTITY.COM BOX 1295 TACOMA, WA 98402	DEVELOPER (CONTRACT)	2005 – 2007
	<ul style="list-style-type: none">• Designed and implemented Automated Domain Trust (ADT) system to locate fraudulent DNS address data and WHOIS registration records across the 40 million domains in the GTLD's• Implemented data interchange between ADT and clients <p><i>Technologies:</i> Perl, Ruby, MySQL, Filemaker</p>	
IC-WIRELESS (INNERCITE.COM) EL DORADO HILLS, CA	SYSTEMS ENGINEER	2003 – 2005
	<ul style="list-style-type: none">• As member of network administration team, analyzed and maintained IP network with multiple DS3 peers, Class B IP allocation, and redundant 802.11b backbone• Provisioned and maintained RADIUS, DSL, wireless (802.11), web hosting, DNS, co-location, and other Linux-based services <p><i>Technologies:</i> BIND, Cobalt Raq, Cisco, Nagios, SNMP, Barracuda, LAMP (Perl)</p>	
EBOX.COM TORONTO, ONTARIO CANADA	SYSTEMS ADMINISTRATOR, EMBEDDED LINUX DEVELOPER	2001 – 2003
	<ul style="list-style-type: none">• Provisioned and administered Linux servers, web services, email services, Java servlet containers, databases, IP Chains firewalls, IPsec VPNs, and Samba file and print servers• Contributed to in-vehicle logistics terminal based on i386 Single Board Computer, Linux, GPS, ARC geodata, RFID, and mobile Internet (Motorola iDEN) <p><i>Technologies:</i> Apache, Postfix, Jetty, Postgres, Samba</p>	

EXPERIENCE (2001 – 1994)

FLEXIS.NET (Y-DNA INCORPORATED) PALO ALTO, CA	PROJECT MANAGER • Principal developer for MedWebPlus.com (MWP), a semantic information retrieval system based on the Unified Medical Language System (UMLS) lexicon • Implemented the YBase Informatics Engine, an MVC platform. Flexis continued to use YBase into 2005 and beyond <i>Technologies:</i> Perl, Postgres	1998 – 2001
BIG PANDA HOUSE CONSULTING FORT LEE, NJ	CONSULTING PARTNER • Developed applications for e-commerce firms, ISPs, and Bell Laboratories <i>Technologies:</i> C, C++, Perl, SQL	1996 – 1998
BELL LABORATORIES HOLMDEL, NJ	MACHINE VISION PROGRAMMING CONSULTANT • Implemented software interfaces to analog video cameras, including capture, image subtraction, and feature recognition, and parameter tuning • Implemented a real-time gesture-driven input device capable of controlling a first-person shooter game (e.g. Doom) as effectively as a keyboard <i>Technologies:</i> IRIX, C, C++, SGI/VL, OpenGL, TCL/Tk	1995 – 1996
CYBER WARRIOR INC. FAIR LAWN, NJ	MULTIPLAYER GAME SERVER PROGRAMMER • Implemented a multiplayer game server using LambdaMOO • Sourced, installed, and configured dial-up access system using terminal server, consumer-grade modems, and Multi-Tech modular modems	1994 – 1995

US CITIZEN • REFERENCES ON REQUEST

“Artificial Intelligence” is a common trope in both science and popular culture. Unfortunately, there has never been a comprehensive theory or generally accepted measure of intelligence for both organisms and machines, so it is impossible to objectively judge one in comparison to the other. Consider instead the application of Intelligence Augmentation (IA). Rather than replacing human problem-solving ability, IA systems use computers and software to improve a person's native talent. Internet search engines are a familiar example. Given a few keywords, the engine retrieves relevant results with greater speed and scope than a single person attempting the same task. However, interpretation of the data, and its ultimate utility, strongly depends on the users' intelligence, education, and goals. IA provides an avenue for the practical application of machine intelligence to real problems, while avoiding the difficult problem of obtaining human-equivalency in AI.