Rimon BARR

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EDUCATION

May ‘98: Graduating with an **Honours B.Sc.** degree from the **University of Toronto** combining a Computer Science specialist and Biology major
Jun ‘94: Graduated from Thornlea Secondary School with distinction and scholarship

CURRENT OBJECTIVE

- Further my expertise and experience in the field of Computer Science
- Apply my talents to solve challenging problems innovatively

EMPLOYMENT

Sep ‘96 - May ‘98: **Teaching Assistant**, Computer Science, University of Toronto

- Conduct tutorials, office hours; mark assignments, tests: csc108, csc148, csc258, csc270

Sep ‘97 - Dec ‘97: **Researcher**, Database Group, Computer Science, University of Toronto

- Worked under the guidance of Professor Alberto Mendelzon on the WebOQL project
- Created a module which allows WebOQL engine to query LDAP directory sources

May ‘97 - Sep’ 97: **Developer**, DB2 group, Toronto Laboratory, IBM Canada

- Designed a low latency, high throughput, reliable communication protocol between nodes in a distributed database cluster for the Intel Virtual Interface architecture
- Studied improvements made in the TPC-D database query benchmark

May ‘96 - Sep ‘96: **Researcher**, Biochemistry and Immunology, University of Toronto

- Worked, with guidance of Professors Emil Pai and Brian Barber, on computer models to determine whether certain epitopes from HIV retain conformation when inserted into antibodies

Sep ‘95 - May ‘96: **Researcher**, Vision Group, Artificial Intelligence, University of Toronto

- Modelled a robot planner, the module which converts requested goals into a sequence of robot primitives that satisfy them, under the supervision of Professor John Tsotsos
- Learned high-level algorithms dealing with artificial intelligence; worked on low-level hardware controllers and gained experience working in Unix

May ‘95 - Sep ‘95: **Software Design Engineer**, Office Group, Microsoft Corporation

- Interned with Microsoft at their headquarters in Redmond, Washington. Gained practical experience in robust code, the commercial software world and deadlines. Learned valuable software development practices
- Coded algorithms for the Toolbar Team of the Office ’97 group, now also being used by other groups

Jul ‘94 - Sep ‘94: **Software Quality Assurance**, ATI Technologies Inc.

- Generated benchmark reports for each driver release and automated this process
- Created an MS-Test based application to reduce bottlenecks and expedite testing through reliable test suite management: automatically initialise conditions, generate reports and recover from crashes, so tests could run *independently* and produce consistent results

Jun ‘93 - Jul ‘94: **Consultant**, Vehicle Information Centre of Canada (VICC)

- Generated rate-pages (vehicle statistics) distributed to Canadian insurance companies
- Designed applications to accelerate rate-page production from days to minutes, allowing more timely updates, better service and added income

COMPUTER PROFICIENCY

- Languages: C, C++, Java (OOP), VB, Pascal, Delphi, Perl, Lisp, Prolog, Awk, ASM
- OS: Win 3.1/95/NT (Win32API, OLE, COM, etc.), Unix, DOS
- Database: DB2, Sybase, Access, Paradox, JDBC
- Web: HTML, CGI, JavaScript, TCP/IP, RMI
- Apps: Office, Smartsuite, Corel, AutoSketch, PageMaker, etc. and can quickly learn others

ACADEMIC and COMPETITIVE ACHIEVEMENTS

1998:
- Included on the Dean's list every year to present
- 1^{st} individual contestant in University of Toronto Inter-Campus Programming Contest (2 years)

1997:
- Recipient of Daniel Berlin Memorial Scholarship for Computer Science
- Member of UofT ACM team; 6^{th} place in Regional ACM Annual Programming Contest
- Winner of IBM/Footprint HeadStart Java Contest; received Aptiva computer and job offer
- Inducted into the National Golden Key Honour Society
- Selected to attend leadership conference with Andersen Consulting

1996:
- Awarded Biochemistry summer research fellowship

1995:
- Received additional scholarship in second year based on first year results

- 1994:
- Won the University of Toronto National Scholarship Book Award
- Received an entrance scholarship to the University of Toronto
- Canadian Association of Physics contest: 1^{st} in school, 30^{th} in Ontario, honourable mention
- Waterloo Sir Isaac Newton Physics contest: 2^{nd} in school, 98.5 percentile in Ontario
- Waterloo Descartes Mathematics contest: 2^{nd} in school
- Awarded certificates and pins for excellence in math, physics, computers and the full curriculum

SCHOOL INVOLVEMENT

- Member of the Association for Computing Machinery (ACM) since 1996
- Elected Immunology Student Association class representative in second and third year
- Member of school Reach for the Top Team (General Knowledge Team)
- School First-Aid squad, chess, debating, public speaking, peer tutoring, yearbook editorial staff
- Hobbies: soccer, karate, reading and collecting quotations

COMMUNITY ACTIVITY

Feb ‘96 - Dec '96: **Webmaster**, Jewish Federation Internet Committee

- Member of the Internet Steering Committee
- Set up and maintain the web site; creatively develop this new medium
- Please visit: http://www.feduja.org/

Jan ‘91 - Dec '96: **Volunteer**, St. John Ambulance