Donald Patrick Carney

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Education

1997-present	Brown University	Providence, RI
_	Ph.D., Computer Science, expected May, 2004	
2001	Brown University	Providence, RI
	Sc.M., Computer Science	
1996	Polytechnic University	Brooklyn, NY
	M.S., Computer Science	•
1990	Rensselaer Polytechnic Institute	Troy, NY
	B.S., Interdisciplinary Science	-
	Concentration: Computer Science; Minor: Management	

Experience

1997-present **Brown University**

Providence, RI

Research/Teaching Assistant

• TA for CS032 (Introduction to Software Engineering), CS127 (Database Management Systems), CS190 (Software System Design)

2003 Mitre Corporation

Bedford, MA

Consultant

- Instruction in use and operation of a data stream management system
- Assistance in development of research proposal

1990-1997 **Porta Systems Corporation**

Syosset, NY

Senior Programmer/Analyst

- Perform and manage international projects, bringing a telecommunications system through its entire life-cycle (system consisting of 1,000,000+ lines of C and SQL and deployed in 20 countries servicing over 25,000,000 telephone lines)
- Work with sales force and potential clients, perform pre-sales consulting, including demonstrations, requirements and design specifications analysis, and cost analysis
- Responsible for software coding, installation and testing, including such project management tasks as scheduling, goal setting and allocating work to client personnel
- Provide training and technical support to clients
- On-site development, installation, training and support requiring prolonged stays in Chile, Czech Republic, Germany, Mexico, Indonesia and Hong Kong

Publications

Retrospection on Aurora H. Balakrishnan, M. Balazinska, D. Carney, U. Cetintemel, M. Cherniack, C. Convey, E. Galvez, J. Salz, M. Stonebraker, N. Tatbul, R. Tibbetts and S. Zdonik. Submitted to VLDB Journal Special Issue on Data Stream Processing. Operator Scheduling in a Data Stream Environment, D. Carney, U. Cetintemel, A. Rasin, S. Zdonik, M. Cherniack and M. Stonebraker, Proceedings of the 29th International Conference on Very Large Data Bases (VLDB), Sept., 2003. To Appear. Aurora: A New Model and Architecture for Data Stream Management, D. Abadi, D. Carney, U. Cetintemel, M. Cherniack, C. Convey, S. Lee, M. Stonebraker, N. Tatbul, and S. Zdonik, VLDB Journal, August, 2003. To Appear.

Reducing Execution Overhead in a Data Stream Manager, D. Carney, U. Cetintemel, A. Rasin, S. Zdonik, M. Cherniack and M. Stonebraker, Proceedings of the ACM Workshop on Management and Processing of Data Streams, June, 2003. To Appear. Aurora: A Data Stream Management System (Demonstration) D. Abadi, D. Carney, U. Cetintemel, M. Cherniack, C. Convey, C. Erwin, E. Galvez, M. Hatoun, J. Hwang, A. Maskey, A. Rasin, A. Singer, M. Stonebraker, N. Tatbul, Y. Xing, R. Yan and S. Zdonik, Proceedings of the ACM SIGMOD International Conference on Management of Data, San Diego, CA, June, 2003. To appear.

Scalable Application Aware-Data Freshening, D. Carney, S. Lee, S. Zdonik. IEEE International Conference on Data Engineering (ICDE), March 2003

Index Hint for On-Demand Broadcasting (poster) S. Lee, D. Carney, S. Zdonik. IEEE International Conference on Data Engineering (ICDE), March 2003

Scalable Distributed Stream Processing. M. Cherniak, H. Balakrishnan, M. Balazinska, D. Carney, U. Cetintemel, Y. Xing, S. Zdonik. First Semiannual Conference on Innovative Data Systems Research (CIDR), Asilomar, CA. Jan. 2003

Monitoring Streams: A New Class of Data Management Applications D. Carney, U. Cetintemel, M. Cherniack, C. Convey, S. Lee, G. Seidman, M. Stonebraker, N. Tatbul, and S. Zdonik. In proceedings of the 28th International Conference on Very Large Data Bases (VLDB'02), August 20-23, Hong Kong, China.

Patents

Tennis Racket String Tension Tester, US Patent No. 4,794,805, Jan. 1989. With W. Carney

Racket String Tension Tester, US Patent No. 4,876,900, Oct. 1989. With W. Carney