

# DANIEL M. VOGEL

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## EDUCATION

1998-2002      CARNEGIE MELLON UNIVERSITY      Pittsburgh, PA  
*Bachelor of Science in Chemistry with Minors in Computer Science and Ethics*

- Officer of the Computer Club and Robotics Club (assisted in exponential growth)
- Part-time research assistant in a Theoretical Chemistry research group

## EXPERIENCE

2007-Present      AMAZON.COM      Seattle, WA  
*Software Development Engineer, Transportation Customer Experience, Scheduled Delivery*

2006-2007      UNION SWITCH & SIGNAL INC      Pittsburgh, PA  
*Software Engineer, Optimized Traffic Planner*      [ UML, C++, XML, JSP, SCRUM ]  
Lead developer of complex data test and analysis tools (managed up to 6) in Agile environment. Contributed significant code within first two weeks on 800+kloc application late in development cycle. Assumed leadership role within pre-release bug fixing.

2002-2006      CARNEGIE MELLON UNIVERSITY      Pittsburgh, PA  
*Research Staff, School of Computer Science*      [ C, NPTL, cryptography, ... ]  
Computer Architecture, Compilers, Reconfigurable Computing and Nanotechnology;  
Authenticated e-mail; Distributed computing clusters: specification and deployment;  
15k+ thread simulation systems.

Summer 2000      PROFIT LOGIC, INC.      Cambridge, MA  
*Software Developer*      [ python, SQL, genetic algorithms ]  
Merchandise and Price Optimization for National Department and Specialty Retailers

- Met aggressive milestones in development of company's first automated product
- Lead developer (same time) on second automated product

## RELATED ACTIVITIES

2002-2006      CARNEGIE MELLON UNIVERSITY  
*Graduate Coursework.*  
*MBA: Financial Accounting, Finance, Probability/Decision Making, Managing Organizations.*  
*Technology: Computational Biology, Bioinformatics, Very Large Information Systems.*

1999-2005      *Radio Co-Host: Show about Technology and Technology Related Businesses.*

1999-Present      Started ventures (not past angel round) in 1999, 2001, 2004-05 and 2008.

## PUBLICATIONS

- "Human Detection by Tartan Swarm". Daniel M. Vogel et al.  
AAAI Mobile Robot Competition 2002. AAI Report WS-02-18
- "Electric Field as a Metric for Global Temperature".  
R. Markson and D. Vogel. Proceedings of ICAE 1999.
- "Parallel Processing Issues in Semi-Empirical Quantum Chemistry"  
1999 Merck/Carnegie Mellon Computational Chemistry Summer Scholar

## PERSONAL

- Was active in Pittsburgh Ultimate (Frisbee): participant, captain and league commissioner 2002-2007; Core member of [pittsburgh-ultimate.org](http://pittsburgh-ultimate.org) web (re)development team
- Triathlete, SCUBA diver, skier, and international traveler (US Citizen).