

DANIEL A. WOODS

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OBJECTIVE

Software development (moving towards engineering management) in a team-oriented, challenging environment

EDUCATION

Stanford University 2004 - 2006 (expected) Stanford, CA

M.S., Computer Science, Artificial Intelligence concentration, over 3.9 GPA

- Involvements: Graduate Student Entrepreneur Club, High-Tech Club, BASES (engineering entrepreneurial organization), E-Challenge (business plan competition) twice, Graduate Student Council

GMI/Kettering University 1996 - 2000 Flint, MI

B.S., Computer Engineering

- 94.33 WAG (3.83 GPA), highest of 21 Computer Engineers in graduating class
- Involvements: President of Eta Kappa Nu (Electrical and Computer Engineering honor society), Treasurer of IEEE, Secretary of Tau Beta Pi (Engineering Honor Society), multiple offices in fraternity, arranged several technical speakers, volunteer work, tutoring

EXPERIENCE

Serafim Batzoglou Laboratory, Stanford 2004 - present Stanford, CA

Research Assistant

- Developing the next generation whole genome multiple aligner (C/C++ and some Perl)
- Coauthor CONTRAfold: RNA Secondary Structure Prediction without Physics-Based Models (submitted)

VI Engineering, Inc. 2001 - 2004 St. Paul, MN

Project Engineer

- Developed custom solutions and software products with C, Perl, and LabVIEW
- Personally trained an offshore team of four, and successfully managed remotely
- Managed projects of up to seven fulltime developers
- Created external estimates and proposals, and participated in sales

Guidant Corp. (Cardiac Pacemakers, Inc.) 1997 - 2000 St. Paul, MN

Co-op Student

Seven three-month co-op sessions across five departments, such as manufacturing, information systems, test engineering, and a pacemaker firmware development team

Woods Control Systems, Inc. (family business) 1990 - 2001

Programmer/Designer

- PLC ladder logic and user interfaces for industrial applications

SKILLS AND APTITUDES

Probabilistic Models in AI, Machine Learning, Computational Biology, Natural Language Processing, Algorithm Theory

C/C++, STL, Perl, OpenGL, LabVIEW

Written and Verbal Communication, Project Management