

Ben Coburn

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Education:

University of the Pacific, Stockton, California B.S. Computer Science, Magna cum laude, May 2004.

Computer Science GPA 3.85, UOP GPA 3.74, Cumulative GPA (UOP+Oberlin) 3.33.

Oberlin College, Oberlin, Ohio. Biology major, Chemistry minor, transferred to UOP in 2001. Oberlin GPA 2.77.

Skills & Experience:

Software Development: Fluent in Java and PHP. Experience with Python, shell scripts, C/C++, Scheme, assembly... and the ability to rapidly acquire new languages and APIs as needed for the project at hand. Also XML, CSS, MySQL, XHTML, various network protocols, javascript, regexp, graphic design techniques, and aesthetics.

Hardware: Work with Unix/Linux systems since ~1991, Apple hardware since ~1988, and use PC's regularly.

Embedded Reasoning Institute, Sandia National Laboratories Internship: an intelligent software agent system for wireless monitoring of storage containers. (2002)

Graded assignments for "Application Development Tools: Java" offered by the UOP Computer Science Department. (Spring 2002)

Publications:

Berry, N., Djordjevich, D., Ko, T., Coburn, B., Elliott, S., Tsudama, B., and Whitcomb, M. Wireless intelligent monitoring and analysis systems. *Multisensor, Multisource Information Fusion: Architectures, Algorithms, and Applications 2004*. Edited by Dasarathy, Belur V. Proceedings of the SPIE, Volume 5434, pp. 400-410.

Coburn, B. Lilypad Net: Agents Involving Users in the Future of The Internet. *University of the Pacific Computer Science Research and Projects Journal 1* (2003), 32-35.

Honors & Research:

Michael J. Minch Award for Excellence in Undergraduate Research for work presented on the Lilypad Net system at the 2002 session of the Pacific Undergraduate Research Conference.

Lilypad Net: a mobile multi-agent system for end-user interaction, education, and programming. (1999-present)

2-3 Space: an experimental resource-conserving, fully scriptable and maleable virtual environment. (2003-present)

Expression of *C. Elegans* TnC Protein: work towards purification of Troponin C from *C. Elegans* for Ca²⁺ binding assay. Hands-on lab experience. (1999)

References:

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