

Curriculum Vitae - Brian Ferris

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Research Interests

Artificial Intelligence, Ubicomp, and HCI; specific research interests in probabilistic methods as applied to robotics, state estimation, and ubicomp applications.

Education

Pursuing Ph.D. in Computer Science University of Washington
Seattle, WA 04-present
Received Masters in Spring, 2006

Bachelor of Science North Carolina State University
Raleigh, NC 99-04
Computer Science (major), Computer Engineering (major), Spanish (minor)

Projects and Employment

Research Assistant Dieter Fox
Seattle, WA 9/05-present
Probabilistic methods applied to robotics and state estimation: WiFi localization, mapping, and activity recognition from embedded systems

Internship Intel Research Seattle
Seattle, WA 6/06-10/06
WiFi localization and mapping with embedded systems

Research Assistant Henry Kautz
Seattle, WA 12/04-9/05
Indoor navigation agent for users with high-functioning cognitive impairments

Research Assistant Michael Rappa
Raleigh, NC 8/99-12/04
Collaborative creation and management of web-based courses: Java, XSL, XML, Jakarta
Apache, Linux, High-Availability, Perl, Networking, AFS, NFS, Web Services

Internship GE-Fanuc
Charlottesville, VA 5/01-8/01
Design, implementation of serial protocol verification application: Visual C++, MFC, Serial I/O

Internship Nortel Networks, PSI Group
RTP, NC 5/00 - 8/00
C++ application development in an Linux environment with SQL and network programming
Received two performance recognition awards: Spot and Pride Awards

Publication List

- [1] B. Ferris, D. Fox, and N. Lawrence. Wifi-slam using gaussian process latent variable models. In *Proc. of the International Joint Conference on Artificial Intelligence (IJCAI)*, 2007.
- [2] B. Ferris, D. Hähnel, and D. Fox. Gaussian processes for signal strength-based location estimation. In *Proc. of Robotics: Science and Systems*, 2006.