

YE WEN

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EDUCATION

Sep. 2000—Present **Dept. of Computer Science, University of California, Santa Barbara**

- Projected to graduate in 2007
- GPA: 4.0/4.0

Sep. 1993—Apr. 1997 **Dept. of Computer Sci.&Eng. , Zhejiang University, P.R.China**

- Received B.S. degree in Computer Science in 1997
- GPA: 3.80/4.0 (general), 3.85/4.0 (major)

SKILLS

Languages *C/C++, Java, Perl, Pascal*

Platforms *Linux, Embedded Linux/Symbian/PalmOS/J2ME, Sensor Networks (TinyOS), Hardware Simulation, Distributed and Parallel Computing*

PROJECTS

RESEARCH: *DiSenS: Scalable Distributed Simulation of Heterogeneous Sensor Network*, Jan 2004 to present, UCSB

- Large simulation system built from scratch, with over 30,000 lines of code;
- Full-system simulation of ARM-based devices, including iPAQ and Stargate; dynamic translation based performance optimization; full-system simulation of Motes (Mica2 & MicaZ);
- Scalable distributed simulation of a complete sensor network, including radio/power modeling; simulate hundreds of motes at real time speed.

INTERNSHIP: *Remote Desktop Control on Smart Phones*, Jun 2003 to Aug 2003, ExpertCity Inc. (now Citrix Online)

- Remote desktop control on the smart phones, based on J2ME platform with Symbian OS.

RESEARCH: *Battery Lifetime Predication and Program Energy Estimation*, Dec 2001 to Jun 2003, UCSB

- Statistical method for online battery lifetime prediction with improved accuracy (3-8 times more accurate than APM)
- Program energy consumption estimation on embedded systems and mobile devices.

RESEARCH / DEVELOPMENT: *3-D Feature-based Parametric Product Modeling System*, Sep 1997 to May 2000 CAD&CG National Key Lab, Zhejiang University, P.R.China

- Automatic assembly system of an advanced 3D CAD system for manufacturing industry.

SELECTED PUBLICATIONS

1. Chandra Krintz, Ye Wen, and Rich Wolski. *Application-level Prediction of Battery Dissipation*, ACM/IEEE International Symposium on Low Power Electronics and Design, August 9-11, 2004, Newport Beach, CA.
2. Ye Wen, Rich Wolski, and Chandra Krintz. *Online Prediction of Battery Lifetime for Embedded and Mobile Devices*, Special Issue on Embedded Systems: Springer-Verlag Heidelberg Lecture Notes in Computer Science, V3164/2004, Dec 2004