CHAD SERRANT

chadius@alum.mit.edu
20 Belton Street Apt 1 . Arlington, MA 02474 . Tel: 781-777-1603
http://wiki.utter-chaos.net/ucwiki/index.php/User:Chadius

OCCUPATION

AWare Technologies   Cambridge, MA

March 2007 to March 2009

Developed microprocessor code for embedded devices. Implemented pedometer that uses state machines to handle the accelerometer, LED display, radio transmission functions and interrupts. Added logic to handle time zones, timer drift and EEPROM storage.

Designed and ran Quality Control for all manufactured pedometers. New code is tested for a month to find errors. Then manufactured pedometers are run for a week to check against defects before they are sold to customers. In charge of inventory for pedometers and recievers. Sorted pedometers by color, firmware version, and state of repair.

Helped design web-page based frontend for users to log in and view their step counts. Helped design second revision to improve administrator access and began basic implementation using Ruby on Rails. Webpage is located at http://www.fitaware.net

SKILLS

C++, C, AVR Assembly, Ruby, Linux, Simple Directmedia Layer

EDUCATION

Massachusetts Institute of Technology   Cambridge, MA

Bachelor of Science in Computer Science, *June 2005*.

Relevant Courses: User Interface Design and Implementation, Software Engineering,
                            Computer Graphics, Computer System Engineering

TEAM PROJECTS

Annual MIT AI Competition, "Robocraft"   Cambridge, MA

October 2004 to December 2004

Designed and created debugging software for Robocraft, an annual AI competition held at MIT. Programmed in Java as part of a three-person team. Software was used by contest organizers as a prototype for the final version of the debugging software used by contestants in 2005 competition.

INTERESTS

Design and play computer games as well as pencil and paper games. Read design and development magazines (eg. Gamasutra, Gamespot, etc.). Study 1990s American animation. Readings on Greek mythology.

References upon request.