

# CHAD SERRANT

[chadius@alum.mit.edu](mailto: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>

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## 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.

In charge of inventory for pedometers and receivers. Sorted pedometers by color, firmware version, and state of repair. 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.

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.**