

CHAD SERRANT

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http://wiki.utter-chaos.net/ucwiki/index.php/Chadius:_Resume

Two years in software engineering at a startup company gives experience in various programming environments, interface design and quality control while developing products for the health care industry.

- Developed an embedded time-windowed journaling pedometer that wirelessly transmitted step totals stored in RAM or EEPROM to the company server.
- Designed and implemented features to improve human interaction with the pedometer while using the LED display.
- Specified process to reduce in-house pedometer preparation time by one-third and greatly reduce identification errors to a single point of failure.

A flexible engineer who works best in teams with loosely defined roles, with opportunities to learn new disciplines. Enjoys working on direct applications to users.

Accomplishments

- Experience programming with: C++, C, AVR-gcc toolchain, Ruby, Linux, Simple Directmedia Layer, git
- Created a framework for the administrator website to add users to the pedometer system without directly manipulating the database.
- Built prototype testing program for MIT's 2004 Battlecode (formerly Robocraft) Artificial Intelligence contest with a group of three.
- Implemented video filter to place emphasis on a given section in a picture using C++ as part of a final class project.

History

AWare Technologies, Inc. Cambridge, MA

2007-2009

Software Engineer

Startup company developed wellness and fitness applications for corporations. Worked with a group of three in engineering to make the wireless Action Tracker pedometer firmware and the FitAWare website.

MIT Hayden Library Cambridge, MA

2001-2007

Worked the front desk for self-support while programming hobby games at MIT's head library.

Massachusetts Institute of Technology Cambridge, MA

Bachelor's Degree in Computer Science 2005

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