

Dmitry Turbiner

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Term Address

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Home Address

76 Phillips St, apt3
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Education

Massachusetts Institute of Technology

Candidate for BS in Computer Science and Electrical Engineering, June 2010.
Relevant courses include Structure and Interpretation of Computer Programs, Honors
Mechanics and Electricity & Magnetism, Vector Calculus with theory.

Lycée Franco-Mexicain

French Baccalauréat with honorable mention. Class of 2006.

Research

Model-Based Embedded and Robotic Systems group

CSAIL — UROP

Summer 2005 — present

Developed an essential part of the computer vision based navigation system of a four-legged walking rover. Implemented a novel Stereo Matching algorithm. The final production version provides near real-time performance and significantly increased accuracy over traditional algorithms.

Model-Based Embedded and Robotic Systems group

CSAIL — Student worker

Summer 2004

Designed and built an odometry interface board for a four-wheeled rover. The board is used by the group to reliably obtain key trip information.

Senior High School project

Independent

September 2005 — June 2006

Designed and built an original data-logging bike speedometer. Documented the complete design both in French and English. Gave talks about the project at various school fairs.

Skills

Languages

Fluent in Russian, Spanish, French, and English.

Languages*

Well versed in C, Scheme, Matlab, PIC assembly

Familiar with AVR, x86, ARM, Saturn assemblies, C++, Common Lisp, Lush, OpenGL, Brook, Sh.

Platforms

Solid GNU/Linux development and system administration skills

Comfortable with OSX, FreeBSD, Solaris, Tru64, Irix, Symbolics Genera.

Embedded Toolchains

Extensive experience with Microchip PIC

Comfortable with Atmel AVR, ARM9, Xilinx FPGA.

CAD

Protel, EagleCAD, SolidWorks.

Hardware

Metal Machining, PCB manufacturing, SMD soldering, electronics repair, watchmaking.