devrintalen
computer engineer

about
351 Beacon St #3
Boston, MA 02116
(301) 538-0091

dct23@cornell.edu
http://devrintalen.net

languages
english
turkish

programming
C, Assembly
(x86, IA64, AVR)
Verilog
Python, Perl
Javascript
(ES5, node.js)
CSS3 & HTML5

objective

To obtain a full time computer engineering position in which I can apply my skills in architecture, validation, and embedded system design.

education

2004-2008   **B.S.** Electrical and Computer Engineering   Cornell University, Ithaca, NY
Cum Laude, Dean's List, GPA: 3.4

2000-2004   **High School**   Walt Whitman, Bethesda, MD
Honor Roll, National Merit Scholar

experience

2008–   **System Validation Engineer, Intel Corporation**   Hudson, MA
Testing mission-critical server processors for bugs. Experience working in a lab with Tektronix logic analyzers, developing test plans, test content, and debugging system failures. Worked through multiple projects from first silicon to first sale in a variety of roles including triage and debug, RTL development, FPGA emulation, and software developer.

2007   **Embedded System Developer, Cornell University Satellite Team**
Programmed the interface boards connecting several modules to a backplane. Developed an OS driver for debugging the AVR microcontroller-based system. Team competed in the University Nanosat-4 Program.

2006–2007   **Co-op, Intel Corporation**   Hudson, MA
Developed a tool to analyze the fault coverage contribution of sROSL sites on an Itanium processor design. Data generated by this tool impacted design decisions about which sROSL sites could be removed.

projects

2012   **ADBUSB**
USB adapter for the 1987 Apple Extended Keyboard. Translates Apple Desktop Bus (ADB) protocol into HID-compliant USB. Developed the entire project, from the microcontroller code to the schematics to the PCB layout.

2007   **SIAM32: AVR USB 2.0 Host Controller**
Implemented a fully-functioning USB 2.0-compliant host controller on an Atmel Mega32 microcontroller. Coded 5,000 lines, 1,000 of which were in AVR assembly. Collaborated with two other classmates to deliver the device in under a month.