

devrintalen

computer engineer

about

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<http://devrintalen.net>

languages

english
turkish

programming

C, Assembly
(x86, IA64, AVR)
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
GPA: 3.2, Dean's List Fall 2004, Spring 2007
- 2000-2004 **High School** Walt Whitman, Bethesda, MD
Honor Roll, National Merit Scholar

experience

- 2008- **Component Design Engineer, Intel Corporation** Hudson, MA
Testing mission-critical Itanium processors for bugs. Experience working in both pre- and post-silicon, developing test plans, test content, and debugging failures. Guided a cache coherency testing tool on Poulson and led a team to triage and debug its failures.
- 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 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 Tukwila. 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.