

devrintalen

computer engineer

about

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<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.
- 2005 **Intern, Naval Research Labs** Washington, DC
Performed research experiments with in a Class 4 terawatt laser facility. Responsibilities included setting up equipment, tuning optics, and carrying out experiments. Passed security clearance requirements.

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.