

# Daniel Cox

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## Objective

I must apply my skills and interests where the quality of my work truly matters; where error may cost lives, and excellence may save them. From such a position, I intend to exert myself and build elegant software that meets real needs.

## Education

**Cornell University**, Bachelor of Science Computer Science  
Cumulative GPA: 3.27

08/2007 - 05/2011

## Relevant Coursework

Analysis of Algorithms, Operating Systems, Introduction to Analysis of Algorithms, Systems Programming, Introduction to Natural Language Processing, Introduction to Cognitive Science, Foundations of Artificial Intelligence, Practicum in AI, Introduction to Database Systems, Networks, Discrete Structures, Data Structures and Functional Programming, Introduction to Digital Logic Design, Object-Oriented Programming and Data Structures, Introduction to Computer Game Design, Information Systems and Analysis, Computational Methods for Management and Economics, Prove It (mathematical proof course).

## Languages, Technologies and Methodologies

Java, Ruby (and Rails 2 and 3), Scala, R, XHTML, CSS, Javascript, jQuery, XSLT, C#, C++, C, Python, MATLAB, Perl, OCaml, PHP, and L<sup>A</sup>T<sub>E</sub>X. Git, Subversion, Maven, Hadoop ecosystem, Storm, MongoDB, Neo4J, and MySQL. Linux server administration and related technologies, Test-Driven Development, Continuous Integration, Tinkerpop stack, and Agile methodologies.

## Experience

- **Software Engineer**, Six3 Systems Intelligence Solutions, Sterling, VA 02/2012-present
  - Built prototype and production enterprise-scale software for government customers
  - Worked with both proven and upcoming web-scale technologies and Agile methodologies such as Hadoop, MongoDB, Ruby on Rails, distributed computing, test-driven development, RESTful services and Scrum
  - Gave frequent consultations and expositions on above technologies to improve group performance
  - Occasionally worked on an emergency timetable to deliver quality software quickly after unexpected contingencies reduced manpower and added time-pressure to project requirements
- **Web Application Programming Intern**, Desiring God, Minneapolis, MN Summer 2008/2009/2010
  - Collaborated with wide range of skill sets to port entire company website to Ruby on Rails, now live at [desiringgod.org](http://desiringgod.org).
  - Contributed to the database architecture and site planning, and developed significant portions of the (Ruby on Rails) back-end of the site.
- **Emergency Medical Technician**, BI Ambulance Association, Bainbridge Island, WA 06-08/2007
  - Formerly Certified Washington State EMT-B
  - Worked for private ambulance company BIAA caring for and transporting patients in emergency situations.
  - Work required well-developed interpersonal, diagnostics and treatment skills in dealing with all personality types in distress.
- **Server Devel. and Reports Programming Intern**, eAcceleration Corp., Poulsbo, WA 07/2004-10/2006
  - Wrote dashboards and developed reports scripts for company databases and migrated old reports scripts to current technologies.
  - Evaluated new technologies (such as Ruby on Rails) for potential future migration, reported findings to management.
- **Web Application Programmer**, What's For Dinner LLC, Poulsbo, WA 06-09/2006
  - Contracted alone for four months to design and build the ecommerce website of a startup meal-preparation business.
  - Worked closely with the owner at every stage of the process, including maintenance for some time after.