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# CHRISTOPHER CYLL

## EDUCATION

**Williams College** ('00 - '04) – B.S. in Computer Science with Honors

**University of Edinburgh, Scotland** (Jan '03 - May '03) – Study Abroad

## SKILLS

**Languages:** Proficient with C, Java, Perl, Python, Ruby, and SQL. Experience with many others.

**Software:** Apache, Eclipse, Emacs, J2ME, LaTeX, Linux, MySQL, PostgreSQL, Ruby on Rails.

## EXPERIENCE

**Software Engineer** ('08 - Present) – Undisclosed Startup, Founding Team

Our startup has built a desktop computing and mobile phone application platform designed from the ground up for distributed applications, live updates, and cross platform compatibility. In the process I've worked on compilers, virtual machines, peer-to-peer routing systems, databases, and social phone applications. As a near-founder, I have also been responsible for organizing software releases, coordinating projects, communicating with customers, and evolving this new company.

**Software Engineer** ('07 - '08) – Adverplex, Tools and Infrastructure Team

Adverplex leverages algorithms, probability theory, and combinatorial optimization to precisely manage hundreds of thousands of diverse, paid text ads (like Google AdWords) for its clients. I worked on the systems that connect Adverplex to major ad space providers (Google, Yahoo, MSN). This includes our campaign management infrastructure, the data-access layer over Adverplex's multi-terabyte database, and the web-console for fine-tuning campaigns.

**Software Engineer** ('04 - '07) – Intel Corporation, Oregon CPU Architecture Team

As a member of the Architecture Performance Team for the next generation Intel CPU, I developed and maintained tools to analyze and visualize performance data in Ruby and Perl. I also gained experience working with multi-gigabyte data sets and using a 6000 machine compute cluster. In addition, I provided software development expertise to a variety of projects including microcode tools, project management tools, multithreaded memory consistency tests, and database management.

**Writer and Educator** ('04 - Present)

I published a book entitled *Ruby Projects for the Curious Programmer* (2007) for Apress, Inc and wrote an article for *Artima's Ruby Code and Style* titled "If It's Not Nailed Down Steal It: Pattern Matching, S-Expressions, and Domain Specific Languages in Ruby." I have given talks at the Portland Ruby Brigade and FOSCON 2006.

I am a fan of high velocity creative exercises. In 2005, I wrote a 50,115 word novel in 16 days for National Novel Writing Month. In 2006, I organized a 72 person Album Recording Month and recorded my own 32 minute album in 31 days. I continued this tradition in 2007 and recorded my second album.

**Honors Thesis Student, Research and Teaching Assistant** ('01 - '04) – Williams College

As a thesis student, I built a cache conscious dynamic memory allocator for C that reorders memory allocations using profiled information and demonstrates a significant speedup for certain classes of programs using the allocator.

While in school I served as a teaching assistant for five semesters to over 150 students at Williams College and spent my summers as a research assistant working on projects modeling RoboCup soccer, connecting a Scheme based web front end to the RenderMan photorealistic renderer, and model checking the experimental Little-JIL language.