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## Justin Pincar

### Skills

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**Coding:** C/C++/C#/Obj-C, Java/JSP, Visual Basic (and ASP.NET)

**Scripting:** HTML/CSS/AJAX, PHP, Perl, Ruby/Rails, MySQL, LaTeX

**Misc:** EC2, ELB, SDB, S3, Hadoop, Cassandra, Thrift, Ehcache, CruiseControl

### Formal Experience

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#### AdMob (acquired by Google)

*September '09 – Present*

I redesigned and rebuilt AdWhirl's servers to run as a distributed system on Amazon's cloud, which now handles spikes of ~3600 requests/second. I also rewrote the AdWhirl website using a homemade MVC architecture, created an Android client, and helped develop an iPhone client.

I made various performance and feature enhancements to the ad servers, and worked on a team to create a user-tracking system backed by Hadoop and Cassandra. I also created a service layer to control access to AdMob's databases and lessen the impact of database maintenance.

#### DRT (acquired by Boeing)

*May '09 - September '09*

My primary focus was to improve existing GUI applications by applying HCI principles. In addition to coding I conducted user studies and created usage scenarios and user personas.

#### CERT/CC

*May '07 – May '09*

Our team extended the open source project Compass/ROSE to simplify vulnerability detection by automatically detecting violations of rules in source code. After reading the ISO/IEC C standard I created hundreds of secure coding rules for C, C++, and Java, which are now published with source code snippets in *The CERT C Secure Coding Standard*.

### Informal Experience

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#### SideSpin

I started my own business to explore the complexities of SEO. In order to track users and protect my traffic sources I created a private redirection site, which I now offer for a small fee.

#### University Wire

Essentially a Facebook clone, I wrote a web application to unite college campuses by making it simple to follow university groups and events. Initially this was a prototype for a new venture, but after a bit of market research I decided the time wasn't right.

### Education

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#### Carnegie Mellon University

*May '09*

Bachelor of Science in Computer Science

Additional major in Human-Computer Interaction

All this and more, at <http://www.justinpincar.com>