

Peter Centgraf

peter@centgraf.net
412-805-7323

<http://www.centgraf.net>

211 S Lang Ave
Pittsburgh, PA 15208

PROFESSIONAL ACHIEVEMENTS

End-to-end participation in the design and development of two cutting-edge Java ERP systems.

Major technical and design contributions to six software projects:

eLIMS

Business Transaction Server

MetroViz (<http://www.centgraf.net/metroviz/>)

CogTool 1.0 (<http://www.cogtool.org>)

DrJava (<http://www.drjava.net>)

Web Survey Toolbox (<http://websurveytoolbox.org>)

Java, Eclipse RCP, Spring, MS SQL Server

Java, Eclipse RCP, JBoss, Spring, MySQL

VB.NET, NHibernate, MS Access, Oracle

Java, SWT, Lisp, Subversion, Hibernate

Java, Swing, Eclipse, JUnit, Clover, Ant

Java, JSP, Swing, CVS, Tomcat, MySQL

Publication of three papers at industry conferences on human factors and cognitive modeling.

Full committer status for the Eclipse Nebula open source user interface toolkit project.

EMPLOYMENT

Software Designer/Engineer

RJ Lee Group, Inc.

1/2007 – Present

Pittsburgh, PA

Development of a custom, enterprise-wide Laboratory Information Management System for internal use and commercial sale. Leveraged Eclipse and web technologies to transform a cost center into a revenue driver.

Java Developer

Management Services, Payroll and Insurance Group, Inc.

1/2006 – 11/2006

Mason, OH

Development of an innovative Eclipse Rich Client Platform (RCP)-based client for a custom n-tier J2EE ERP system using JBoss and Spring. Fulfilled multiple roles as user researcher, designer, architect, and developer.

Research Programmer

Human-Computer Interaction Institute, Carnegie Mellon University

8/2003 – 8/2005

Pittsburgh, PA

Development of applications, tools, and user documentation in Java, Common Lisp, and C for Palm OS.

Cognitive modeling research in the area of driver distraction, including a publicly available literature review.

Temp. Research Programmer

Computer Science Department, Rice University

5/2003 – 8/2003

Houston, TX

Full-time development of the DrJava pedagogical development environment. Multi-platform user interface implementation, including interface improvements based on feedback from the Rice TeachJava workshop.

Software Engineering Intern

Direct Supply, Inc.

5/2000 - 5/2003

Milwaukee, WI

Full-time summer position with year-round projects. Interaction design and software construction roles for data access applications and frameworks in MS-SQL, VB6, C++/WTL, and C#.

EDUCATION

Master of Human-Computer Interaction

Carnegie Mellon University

8/2003 – 12/2005

Pittsburgh, PA

GPA: 3.50. 2 years of practical experience with interdisciplinary teams working on HCI design projects.

B.S. in Computer Science & B.A. in Psychology

Rice University

8/1999 - 5/2003

Houston, TX

GPA: 3.25 in Computer Science, 3.31 in Psychology, and 3.20 overall.

Dual majors with a focus in Human-Computer Interaction. Course experience includes:

software design and implementation in Java, C, and Scheme

agile development techniques such as UML data modeling, unit testing, and pair programming

design, execution, and data analysis of original studies in cognitive psychology