

# STEVE TALBOT

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847.436.0815, Chicago, Illinois US

## SOFTWARE ENGINEER

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I bring to the table 3 years of engineering and 2 years of software experience. I deliver my team-oriented attitude, my solution-oriented work ethic and my detail-oriented technical acumen. I am capable of mastering computer applications quickly and I seek out the challenges provided by new technologies. I have studied the software development life cycle (SDLC) design methods (scrum, RUP, waterfall, Vmodel), system architectures (MVC, Client/Server, Layered) and networks (TCP/IP, UDP/IP, CAN). I am seeking employment with a successful company that provides challenging assignments, learning opportunities and rewarding experiences.

## SKILLS

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LANGUAGES: Java, C++, PHP, CSS, SQL, XML  
FRAMEWORKS: Servlets, JSP, EJB, JSF, JMS, Java TCP/IP Sockets, Swing  
DATABASES: MySQL, Oracle  
IDEs: Eclipse, NetBeans, JBuilder  
SERVERS: Tomcat  
OPERATING SYSTEMS: Windows 2000/XP/Vista, Linux  
PRODUCTIVITY: MS Office, Sun OpenOffice, Corel Paint Shop Pro  
CAD: AutoCAD Mechanical Desktop, AutoCAD Inventor, Pro/E Mechanical  
SCIENTIFIC: Matlab, MathCAD

## EXPERIENCE

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*Prominent Capital Group, LLC*

May 2007 – August 2007

### **Software Engineering Intern**

- Implemented bug-fixes of JSF and XML web pages.
- System and useability tested "Travelgate" website.
- Created failure tracking document, posted bugs to the group database.
- Procured and implemented RFID hardware and software for custom warehouse tracking system (readers, printers, tags).

*Crane Nuclear, Inc.*

March 2005 – September 2006

### **Project Engineer**

- Generated and reviewed Product Structures, Item Masters and Manufacturing Routers
- Wrote and reviewed valve design reports, seismic reports and maintenance manuals
- Parsed and analyzed assembly and part drawings, bills of material, material lists, sales orders, request for quotes, quotations, purchase orders and customer design specs
- Produced and managed engineering change notices (ECNs), engineering change orders (ECOs), Unified and Acme thread calculations, material dedication documents and controlled documents and drawings

*Advent Tool & Manufacturing, Inc.*

July 2004 – March 2005

### **Tool Engineer**

- Designed Threaded-Fastener Bolt, Nut and Screw Threadforms, including Unified, Metric, Tapered Pipe, Dryseal Pipe, Acme, Centralized Acme, Buttress, Reamer and Involute Gear Spline threadforms for CNC and Lathe Thread Milling tools
- Created 2D/3D CAD prints/models and coordinated with shop floor personnel

# STEVE TALBOT

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*Scot Forge and Illinois Institute of Technology*

September 2001 – May 2003

## **Research Assistant**

- Performed hot ductility tensile tests on 410 stainless steel samples with state-of-the art Gleeble 3500 thermo-mechanical tester
- Conducted Electron Microscope and Spectrometric analyses to discern high temperature embrittlement
- Researched embrittlement processes, ferrous transformations, and sulfide properties
- Presented data at quarterly symposiums of IIT Thermal Processing Technology Center

*Prominent Capital Group, LLC.*

December 1999 – May 2001

## **Web Developer**

- Developed and contributed to the design of java hosting web site "echomountain"
- Managed and coded a Microsoft SQL 7.0 database backend

*Boy Scouts of America Philmont National Scout Ranch*

June 1995 – August 1995

## **Ranger / Trail Guide**

- Developed character, leadership and interpersonal skills.
- Lead scout troops on trailblazing hikes in Rocky Mountains of northern New Mexico.
- Instructed hikers in basic trail backpacking, cooking and camping skills and etiquette.

## AWARDS & ACTIVITIES

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**A. Finkl & Sons Graduate Study, Tuition and Stipend**, September 2002 to May 2003

**IIT MMA Engineering Department, Logo Contest Winner**, January 2003

**Engineer in Training (EIT)**, Texas, October 1999

**KVRX Student Radio for Austin, DJ**, January 1998 to December 1999

**KVRX Student Radio for Austin, Volunteer Director**, January 1999 to August 1999

**Eagle Scout Award**, October 1994

## EDUCATION

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*ILLINOIS INSTITUTE OF TECHNOLOGY*, Chicago, Illinois

**Master in Computer Science**, MCS, May 2009,

G.P.A.: 3.5 / 4.0

Courses: Object-Oriented Analysis and Design, Design Patterns, Architecture Patterns, Software Engineering, Database Design 1 & 2, Information Retrieval, Software Testing, Java Data Structures, Assembly

*ILLINOIS INSTITUTE OF TECHNOLOGY*, Chicago, Illinois

**Master of Science in Engineering**, MSME, May 2003,

G.P.A.: 3.3 / 4.0

Courses: Computational Mechanics, Advanced Engineering Analysis 1 & 2, CAD

*THE UNIVERSITY OF TEXAS AT AUSTIN*, Austin, Texas

**Bachelor of Science in Engineering**, BSME, December 1999

Courses: C++, Pascal, Assembly, CAD, Material Selection, Circuit Analysis

## PORTFOLIO

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Please refer to "<http://www.talbotsystems.com>" for source code, papers, presentations and links

### **Websites**

SEIMA, Science, Engineering, IT, Manufacturing Association (PHP, MySQL, CSS)

Noah's Arc Daycare Center (PHP, MySQL, CSS)

"Refer-A-Friend" webpage extension (PHP, MySQL, CSS, Javascript)

### **Research Publications**

"Comparison of Fieldbus Systems, CAN, TTCAN, FlexRay and LIN in Passenger Vehicles", 29<sup>th</sup> International Conference on Distributed Computing Systems, 2009

"Mono-Polarity Bit Sequences in the Controller Area Network (CAN) Specification"

"Alternate Time Units: Examination of Alternate Time Unit Schemes to Improve the Efficiency of Time Calculations and Conversions"

### **Java Programs**

TCP/IP Network Simulation of Automobile Electronic Ignition Sub-system

### **C++ Programs**

ATM Bank Account Simulation Program, Model Driven Architecture

### **Documents**

Master's Thesis, Engineering

Senior Design Project, Engineering

Technical Communication Project, Engineering