Grooper™
The World's First Information Processing Platform

With its introduction to the marketplace, Grooper™ becomes the smartest way to help colleges and universities capture, classify and extract documents and data. Here's how Grooper can help your institution!

ScanOnce™ True Virtual Capture and User-Directed Image Cleanup

- Scan/capture transcripts, applications, financial aid forms, address change forms all your university forms in full-color, store in grayscale or B & W, and have those forms available throughout the entire process.

Control Sheets

- When control sheets are needed, they can accomplish more than just separating documents. Grooper's control sheets are smart separator (break) sheets that can adjust scanning profiles, assist with document classification, define real-time image cleanup, and even initiate the start of another scan batch for completely different document models – all while the scanner keeps running!

FieldSense™

- Autocompletes based on learning the content on each of your school's documents.
- Dramatically improves productivity.

Dynamic, User-Directed Machine Learning

- Learns transcripts versus applications, understands a financial aid form versus a confirmation letter, etc. Grooper also can learn transcripts sent from various schools.
- Artificial intelligence also enables Grooper to be taught data within documents.

Hierarchical Data Modeling

- Grooper is able to intelligently extract information from complicated forms, such as transcripts, and make that data available for import into SIS, Banner, or other systems. In the example below, Grooper identifies the transcript; the semester section with grades and hours; the table with course codes, names, hours and grades; individual class row with code and grade; and individual class field.

Integrated Redaction Capabilities

- Depending upon your institution's policies, there may be a need to redact data types (SSN, Credit Card number, student number, etc.) prior to images being release to your storage repository. Grooper can redact those items automatically using ESP™ pattern-based identification or a defined section of a document.

Massive Parallelism

- Instead of multiple processes being completed one after another, Grooper provides for parallel processing which means less waiting. Depending on the number of threads being processed at a single time, this means your university's batches complete 4X, 16X, or even 32X faster!

ESP™ Classification & Data Extraction

- One of the major backbones of Grooper's ability to automatically process the numerous types of documents you deal with on a daily basis. ESP™ is used to compare features or keywords on pages to automatically separate, classify, or extract data.

Advanced OCR

- Legacy capture systems can mistake letters (O, I, S) for numbers (0, 1, 5). With Grooper, no longer will a grade B be mistaken for an 8 or a D be mistaken for a 0.
- Grooper is equipped with validation and filtering technology providing reliable, accurate results, whether numeric, alpha or alpha-numeric systems are used by a school.

Advanced Image Processing

- Eliminates third party software by integrating technology that flags low quality images, allows custom flags, detects colors, allows for intensity levels, deskews, crop, rotate, border cleanup

Bidirectional CMIS Document Interchange

- Connects to virtually any university storage repository or content management system and allows for two-way document interchange, index updating, additional data migration and many other purposes.

Shape Detection

- Integrated computer vision allows Grooper to spot school logos, stamps, indicias, labels, and more, giving your university more classification and extraction options.

User-Directed Image Cleanup

- Throughout the process, your school's users and operators can perform image cleanup and document enhancements.

Grooper™ University

STUDENT NAME		UIUC DEGREE INFORMATION

Haynes, Theresalynn

DEGREE: B.S. (L.A.S.)
MAJOR: MATHEMATICS AND COMPUTER SCIENCE
DATE: May 12, 2002

STUDENT NUMBER	DATE OF BIRTH
▮▮▮▮	November 30, 1980

HIGH SCHOOL: Montini Catholic HS
LOMBARD   IL   6/1998

OFFICIAL TRANSCRIPT: ISSUED TO STUDENT 05/02/03

CRSE	NUMB	CRSE DESCRIPTION	CREDIT	GRD NTE

Liberal Arts & Sciences
        Sciences and Letters-Mathematics and
        Computer Science

COLLEGE BOARD ADV PLACEMENT PGM

ENGL	103	INTROD TO FICTION	3.00	PASS
MATH	120	CALC & ANAL GEOM I	5.00	PASS
MATH	130	CALCULUS & ANAL GEOM	3.00	PASS
RHET	105	PRINCIPLES OF COMP	4.00	PASS 1

FALL SEMESTER 1998

C S	100	FRESHMAN ORIENTATION	1.00	A
ENGL	H116	INTRO AMERICAN LIT	3.00	B+
FR	105	FR ACTIVE REVIEW I	4.00	B+
MATH	242	CALC OF SEVERAL VARI	3.00	B+
MUSIC	250	UNIVERSITY ORCHESTRA	1.00	A
MUSIC	261	UNIVERSITY CHORUS	1.00	A
PHIL	102	LOGIC AND REASONING	3.00	B+
RHET	105	PRINCIPLES OF COMP	4.00	PASS 2

DEAN'S LIST

SPRING SEMESTER 1999

ASTR	100	PERSPECTIVES IN ASTR	3.00	A
C S	125	INTRO TO CS	4.00	A+
C S	173	DISCRETE MATH STRUCT	2.00	A
FR	103	INTERMD FRENCH I	4.00	B
MATH	H315	LIN TRANS & MATRICES	3.00	B+
MUSIC	261	UNIVERSITY CHORUS	1.00	A

DEAN'S LIST

EDMUND J JAMES SCHOLAR FOR ACADEMIC YEAR 1998-99

FALL SEMESTER 1999

C S	231	COMPUTER ARCH I	3.00	B
C S	273	INTRO TO THEO COMPUT	3.00	B+
FR	104	INTERMD FRENCH II	4.00	B
MATH	247	FUND MATHEMATICS	3.00	A-
POL S	150	AMER GOVT ORG&POWERS	3.00	B

SPRING SEMESTER 2000

C S	225	DATA STR& SFTWR PRIN	4.00	B
C S	232	COMPUTER ARCH II	3.00	D
HIST	150	COMP2/US TO 1877	4.00	C
MUSIC	261	UNIVERSITY CHORUS	1.00	A
PSYCH	100	INTROD TO PSYCHOLOGY	4.00	B

FALL SEMESTER 2000

C S	257	NUMERICAL METHODS	3.00	B-
C S	375	AUTO LANG AND COMP	3.00	C
MATH	312	GRAPH THEORY&APPLN	3.00	B+
MATH	361	PROBABILITY THEORY I	3.00	C-
MUSIC	133	INTRO TO WORLD MUSIC	3.00	C+
MUSIC	261	UNIVERSITY CHORUS	1.00	A

--- CONTINUED NEXT COLUMN ---

CRSE	NUMB	CRSE DESCRIPTION	CREDIT	GRD NTE

SPRING SEMESTER 2001

C S	350	NUMERICAL ANALYSIS	3.00	C+
MATH	341	DIFFERENTIAL EQUAT	3.00	C+
MUSIC	261	UNIVERSITY CHORUS	1.00	A+
PSYCH	210	BRAIN AND THE MIND	3.00	B
THEAT	170	FUNDAMENTALS OF ACT	3.00	A+

FALL SEMESTER 2001

C S	321	PROG LANGS & COMPS	3.00	B
C S	327	SOFTWARE ENGR I	3.00	A-
KINES	104	ICE SKATING I	1.00	A+
MATH	344	ELEM REAL ANALYSIS	3.00	B
MUSIC	261	UNIVERSITY CHORUS	0.00	C
THEAT	175	IMPROV IN ACTING	3.00	A-

SPRING SEMESTER 2002

C S	318	COMPUTER GRAPHICS	3.00	C.
C S	329	SOFTWARE ENGR II	3.00	B+
ENGL	251	AMER NOVEL SINC 1914	3.00	A-
MUSIC	261	UNIVERSITY CHORUS	1.00	B-

ALL AVERAGES ARE BASED UPON A 4.0 SCALE. (A=4.0)

UIUC UNDERGRADUATE GPA=3.076 BASED ON 117.00 HOURS
TOTAL UNDERGRADUATE HOURS EARNED=132.00

FOOTNOTES:

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2 ▮▮▮

--- END OF TRANSCRIPT ---

RAISED SEAL NOT REQUIRED

Alice C. Poehls, Registrar
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