

How to Authenticate This Official Transcript

This official transcript has been delivered to the recipient, and is intended solely for use by that recipient. It is not permissible to replicate this document or forward it to any person or organization other than the identified recipient. Release of this record or disclosure of its contents to any third party without written consent of the record owner is prohibited.

Printed Transcript:

If you have received this transcript as a printed document, you may verify its authenticity by testing the security features noted on the document.

Electronic Transcript:

This document is official when downloaded by a Parchment Receive member from their inbox.

If receiving via email, this official transcript has been digitally signed and therefore contains special characteristics. This document will reveal a digital certificate that has been applied to the transcript, and for optimal results, we recommend that this document is viewed with the latest version of Adobe® Acrobat or Adobe® Reader. This digital certificate will appear in a pop-up screen or status bar on the document, display a blue ribbon, and declare that the document was certified by Parchment, with a valid certificate issued by GlobalSign CA for Adobe®. This document certification can be validated by clicking on the Signature Properties of the document.



The Blue Ribbon Symbol: The blue ribbon is your assurance that the digital certificate is valid, the document is authentic, and the contents of the transcript have not been altered.



Invalid: If the transcript does not display a valid certification and signature message, reject this transcript immediately. An invalid digital certificate display means either the digital signature is not authentic, or the document has been altered. The digital signature can also be revoked by the transcript office if there is cause, and digital signatures can expire. A document with an invalid digital signature display should be rejected.



Author Unknown: Lastly, one other possible message, Author Unknown, can have two possible meanings: The certificate is a self-signed certificate or has been issued by an unknown or untrusted certificate authority and therefore has not been trusted, or the revocation check could not complete. If you receive this message make sure you are properly connected to the internet. If you have a connection and you still cannot validate the digital certificate on-line, reject this document.

The current version of Adobe® Reader is free of charge, and available for immediate download at <http://www.adobe.com>.

ABOUT PARCHMENT: Parchment is an academic credential management company, specializing in delivery of official electronic credentials. As a trusted intermediary, all documents delivered via Parchment are verified and secure.

Learn more about Parchment at www.parchment.com





Record Of: **Baraban, Asher Isaac**

Student ID Number: 474257

Date Of Birth: 11/15/2000

Transcript Issued 11/18/2024 To:

Degrees Awarded:

M.S. IN ENGINEERING DATA ANALYTICS AND

STATISTICS

MAY 10, 2023

B.S. IN COMPUTER SCIENCE + MATHEMATICS

MAY 10, 2023

GRADUATED WITH ENGR HONORS: SUMMA CUM

LAUDE

MAY 10, 2023

MINOR IN GENERAL ECONOMICS

MAY 10, 2023

RECIPIENT AS DESIGNATED BY STUDENT

Fall Semester 2019

INTRODUCTION TO COMPUTER SCIENCE

CSE E81 131 3.0 A

GENERAL CHEMISTRY I

CHEM L07 111A 3.0 A

PEER-LED TEAM-LEARNING: GENERAL CHEMISTRY I

CHEM L07 111P 1.0 CR#

GENERAL CHEMISTRY LABORATORY I

CHEM L07 151 2.0 A

CALCULUS III

MATH L24 233 3.0 A

PEER-LED TEAM LEARNING: CALCULUS III

MATH L24 233P 1.0 CR#

COLLEGE WRITING: CITIZEN SCIENTIST

CWP L59 112 3.0 A

Enrolled Units 16.0 Semester GPA 4.00

Cumulative Units 29.0

Cumulative GPA 4.00

Spring Semester 2020

DATA STRUCTURES AND ALGORITHMS

CSE E81 247 3.0 A

INTRODUCTION TO MACROECONOMICS

ECON L11 1021 3.0 A+

FOUNDATIONS FOR HIGHER MATHEMATICS

MATH L24 310 3.0 A+

PHYSICS II

PHYSICS L31 192 3.0 P#

PHYSICS II LABORATORY

PHYSICS L31 192L 1.0 A+

PEER LED TEAM LEARNING: PHYSICS

PHYSICS L31 192P 1.0 P#

SECOND YEAR MODERN HEBREW

HBRW L74 2012 3.0 A+

Enrolled Units 17.0 Semester GPA 4.00

Cumulative Units 46.0

Cumulative GPA 4.00

Fall Semester 2020

RAPID PROTOTYPE DEVELOPMENT AND CREATIVE PROGRAMMING

CSE E81 330S 3.0 A+

INTRODUCTION TO MICROECONOMICS

ECON L11 1011 3.0 A+

ELEMENTARY TO INTERMEDIATE STATISTICS AND DATA ANALYSIS

MATH L24 3200 3.0 A

INTRODUCTION TO COMBINATORICS

MATH L24 370 3.0 A+

THE PANDEMIC: SCIENCE AND SOCIETY

ANTHRO L48 3135 2.0 A+

THIRD-LEVEL MODERN HEBREW I

HBRW L74 320D 3.0 A+

Enrolled Units 17.0 Semester GPA 4.00

Cumulative Units 66.0

Cumulative GPA 4.00

Spring Semester 2021

INTRODUCTION TO QUANTUM COMPUTING

CSE E81 468T 3.0 A

INTRODUCTION TO ARTIFICIAL INTELLIGENCE

CSE E81 511A 3.0 A+

INTERMEDIATE MICROECONOMIC THEORY

ECON L11 4011 3.0 A+

NUMBER THEORY AND CRYPTOGRAPHY

MATH L24 4351 3.0 A

THIRD-LEVEL MODERN HEBREW II

HBRW L74 322D 3.0 A+

AMERICAN POLITICS

AMCS L98 101B 3.0 A+


Keri A. Disch, University Registrar

Record Of: **Baraban, Asher Isaac**

Student ID Number: 474257

Date Of Birth: 11/15/2000

Spring Semester 2021

Enrolled Units 18.0 Semester GPA 4.00 Cumulative Units 84.0 Cumulative GPA 4.00

Fall Semester 2021

INTERMEDIATE MACROECONOMIC THEORY

ECON L11 4021 3.0 A

GAME THEORY

ECON L11 467 3.0 A+

LINEAR ALGEBRA

MATH L24 429 3.0 A+

TOPICS IN FINANCIAL MATHEMATICS

MATH L24 456 3.0 A

PROBABILITY

MATH L24 493 3.0 A

Enrolled Units 15.0 Semester GPA 4.00 Cumulative Units 99.0 Cumulative GPA 4.00

Spring Semester 2022

PROBABILITY AND STOCHASTIC PROCESSES

ESE E35 520 3.0 A+

INTRODUCTION TO MACHINE LEARNING

CSE E81 417T 3.0 A

MODERN ALGEBRA

MATH L24 430 3.0 A+

LINEAR STATISTICAL MODELS

MATH L24 439 3.0 A+

CONVERSATIONAL HEBREW

HBRW L74 3211 3.0 A+

Enrolled Units 15.0 Semester GPA 4.00 Cumulative Units 114.0 Cumulative GPA 4.00

Fall Semester 2022

TECHNICAL WRITING

ENGR E60 310 3.0 A

ANALYSIS OF ALGORITHMS

CSE E81 347 3.0 A+

INDEPENDENT STUDY

CSE E81 400E 3.0 P#

INTRODUCTION TO ANALYSIS

MATH L24 4111 3.0 A

MATHEMATICAL STATISTICS

MATH L24 494 3.0 A+

Enrolled Units 15.0 Semester GPA 4.00 Cumulative Units 129.0 Cumulative GPA 4.00

Spring Semester 2023

OPTIMIZATION

ESE E35 415 3.0 A+

STATISTICAL METHODS FOR DATA ANALYSIS WITH APPLICATIONS TO FINANCIAL ENGINEERING

ESE E35 4261 3.0 A+

DETECTION AND ESTIMATION THEORY

ESE E35 524 3.0 A+

PRACTICUM IN DATA ANALYTICS & STATISTICS

ESE E35 527 3.0 A+

ELECTRICAL & SYSTEMS ENGINEERING GRADUATE SEMINAR

ESE E35 590 0 S

STOCHASTIC PROCESSES

MATH L24 495 3.0 A

Enrolled Units 15.0 Semester GPA 4.00 Cumulative Units 144.0 Cumulative GPA 4.00

Remarks

FL2019 FROM: ADVANCED PLACEMENT CALCULUS I 0 UNITS

FL2019 FROM: ADVANCED PLACEMENT CALCULUS II 0 UNITS

FL2019 FROM: ADVANCED PLACEMENT PHYSICS I 0 UNITS

FL2019 FROM: ADVANCED PLACEMENT PHYSICS I LABORATORY 0 UNITS

FL2019 FROM: ADVANCED PLACEMENT TOTAL CREDIT GRANTED BY PREMATICULATION UNITS 13.0 UNITS

SP2020 FROM: BACK CREDIT FIRST YEAR MODERN HEBREW II 0 UNITS

SP2020 SPECIAL NOTE: GIVEN THE COVID-19 DISRUPTION, DEAN'S LIST WAS NOT AWARDED DURING SPRING 2020.

SP2020 SPECIAL NOTE: DURING THE SPRING OF 2020, A GLOBAL PANDEMIC REQUIRED SIGNIFICANT CHANGES TO


 Keri A. Disch, University Registrar



Record Of: **Baraban, Asher Isaac**

Student ID Number: 474257

Date Of Birth: 11/15/2000

Remarks

COURSEWORK. UNUSUAL ENROLLMENT PATTERNS AND GRADES MAY REFLECT THE TUMULT OF THE TIME.

SU2020 FROM: CCBC MATRIX ALGEBRA

3.0 UNITS

FL2020 ENGINEERING RANK: 1/302

SP2021 ENGINEERING RANK: 1/315

FL2021 ENGINEERING RANK: 1/368

SP2022 ENGINEERING RANK: 1/322

FL2022 ENGINEERING RANK: 1/401

SP2023 ENGINEERING RANK: 1/356

Distinctions, Prizes and Awards

FL2019 DEAN'S LIST

FL2020 DEAN'S LIST

SP2021 DEAN'S LIST

SP2021 ANTOINETTE FRANCES DAMES AWARD FOR PRODUCTIVE SCHOLARSHIP IN ENGINEERING

FL2021 DEAN'S LIST

SP2022 DEAN'S LIST

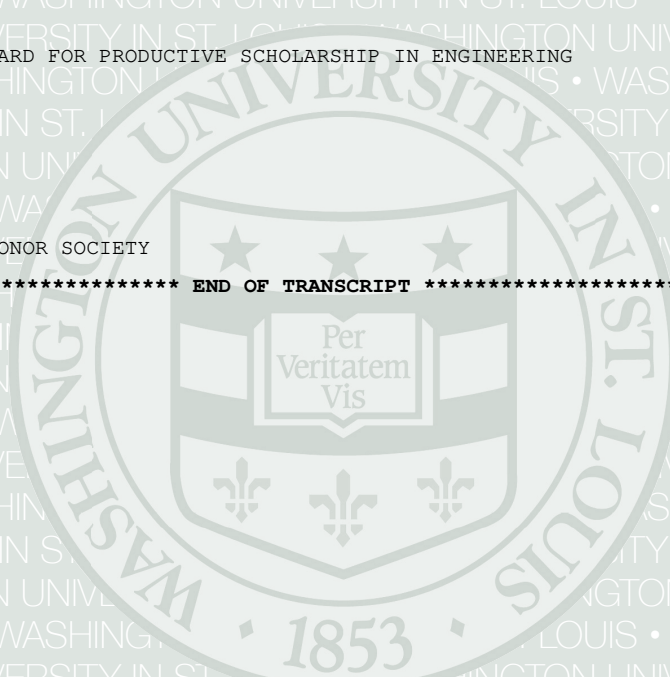
FL2022 DEAN'S LIST

SP2023 VALEDICTORIAN

SP2023 DEAN'S LIST

SP2023 TAU BETA PI - ENGINEERING HONOR SOCIETY

***** END OF TRANSCRIPT *****



Keri A. Disch

Keri A. Disch, University Registrar

SCRIP-SAFE® Security Products, Inc. Cincinnati, OH U.S. Patent