

Washington University Unofficial Transcript for: **Hoang Minh Ha**

Student ID Number: 490708

Student Record data as of: 8/31/2023 6:02:20 PM

HOLDS - no records of this type found**DEGREES AWARDED**

| | |
|---|--------------|
| B.S. IN COMPUTER SCIENCE | May 10, 2023 |
| GRAD. CERT. IN DATA MINING AND MACHINE LEARNING | May 10, 2023 |
| M.S. IN ENGINEERING DATA ANALYTICS AND STATISTICS | May 10, 2023 |

MAJOR PROGRAMS

| -----Semester----- | | | Prime or Joint | | |
|--------------------|------------|-----------|----------------|----------------|---|
| Admitted | Terminated | Status | Code | Prime or Joint | Program |
| FL2020 | SP2023 | Completed | EN6191 | Joint | B.S. IN COMPUTER SCIENCE |
| FL2022 | SP2023 | Completed | SI61C5 | Joint | GRAD. CERT. IN DATA MINING AND MACHINE LEARNING |
| FL2020 | SP2023 | Completed | SI6510 | Prime | M.S. IN ENGINEERING DATA ANALYTICS AND STATISTICS |

ADVISORS

| Advisor | Advisor Type | Start Dt | End Dt | Program | Email |
|------------------------|-------------------------------|-----------|-----------|--|--|
| Roman M Garnett | Faculty Advisor | 9/7/2022 | 5/22/2023 | SI61C5 GRAD. CERT. IN DATA MINING AND MACHINE LEARNING | garnett@wustl.edu |
| James Feher | Faculty Advisor | 9/29/2020 | 5/22/2023 | SI6510 M.S. IN ENGINEERING DATA ANALYTICS AND STATISTICS | jdfeyer@wustl.edu |
| Jonathan Andrew Shidal | Faculty Advisor | 8/30/2020 | 5/22/2023 | EN6191 B.S. IN COMPUTER SCIENCE | shidalj@WUSTL.EDU |
| Jinsong Zhang | Faculty Advisor | 8/29/2020 | 9/29/2020 | SI6509 MASTER OF ENGINEERING IN ROBOTICS | jinsong.zhang@wustl.edu |
| Scott Crawford | Engineering Four Year Advisor | 5/14/2020 | 5/22/2023 | | scrawford@wustl.edu |

SEMESTER COURSEWORK AND ACADEMIC ACTION

Note: Courses dropped with a status of 'D' will not appear on your transcript.
Courses dropped with a status of 'W' will appear on your transcript.

FL2020

| -----Grade----- | | | | | | | | | | |
|-----------------|---|-----|-------|---------------|-----|-------|-------------------|---------|-------------|---|
| Department | Course | Sec | Units | Opt | Mid | Final | Dean | Dropped | WaitListed | Title |
| E35 ESE | 318 | 02 | 3.0 | C | A | A | | | | Engineering Mathematics A |
| E35 ESE | 326 | 01 | 3.0 | C | | A+ | | | | Probability and Statistics for Engineering |
| E35 ESE | 326 | B | 0.0 | | | | | | | Probability and Statistics for Engineering |
| E81 CSE | 260M | 01 | 3.0 | C | | A | | | | Introduction to Digital Logic and Computer Design |
| E81 CSE | 347 | 01 | 3.0 | C | | A+ | | | | Analysis of Algorithms |
| E81 CSE | 347 | B | 0.0 | | | | | | | Analysis of Algorithms |
| E81 CSE | 543T | 01 | 3.0 | C | | A | | | | Algorithms for Nonlinear Optimization |
| Enrolled Units: | | | 15.0 | Semester GPA: | | 4.00 | Cumulative Units: | | 85.0 | Cumulative GPA: 4.00 |
| AAC 8006 | ADMITTED - FULL-TIME GRADUATE PROGRAM STUDENT | | | | | | | | Transcript: | No Expires 12/31/2999 |
| AAC 9999 | ADMITTED VIA THE THREE-TWO PROGRAM, Juniata College (Huntingdon, PA) - MS/BS | | | | | | | | Transcript: | No Expires 12/31/2999 |
| MSN 8124 | ENGINEERING MAST+BS 3-YEAR OPTION, MS/BS FL20=50%; SP21=50%; FL21=55%; SP22=55%; FL22=60%; SP23=60% | | | | | | | | Transcript: | No Expires 12/31/2999 |
| MSN 8132 | ENGINEERING GRADUATE REMISSION PERCENTAGE, 50 | | | | | | | | Transcript: | No Expires 12/31/2999 |
| MSN 8224 | REMOTE STUDY | | | | | | | | Transcript: | No Expires 12/31/2999 |

SP2021

| -----Grade----- | | | | | | | | | | |
|---|--|-----|-------|-----|-----|-------|------|-----------------------|---------------------------|--------------------------------------|
| Department | Course | Sec | Units | Opt | Mid | Final | Dean | Dropped | WaitListed | Title |
| E81 CSE | 132 | 13 | 3.0 | C | | A | | | | Introduction to Computer Engineering |
| E81 CSE | 204A | 01 | 3.0 | C | A+ | A+ | | | | Web Development |
| E81 CSE | 417T | 01 | 3.0 | C | A | A | | | | Introduction to Machine Learning |
| E81 CSE | 514A | 01 | 3.0 | C | | A | | | | Data Mining |
| E81 CSE | 541T | 01 | 3.0 | C | | A+ | | | | Advanced Algorithms |
| Enrolled Units: 15.0 Semester GPA: 4.00 Cumulative Units: 100.0 Cumulative GPA: 4.00 | | | | | | | | | | |
| MSN 8224 | REMOTE STUDY, Eastern Standard Time - (GMT-05:00) Eastern Time (US and Canada) | | | | | | | Transcript: No | Expires 12/31/2999 | |
| MSN 8132 | ENGINEERING GRADUATE REMISSION PERCENTAGE, 50 | | | | | | | Transcript: No | Expires 12/31/2999 | |

FL2021**-----Grade-----**

| Department | Course | Sec | Units | Opt | Mid | Final | Dean | Dropped | WaitListed | Title |
|------------|--------|-----|-------|-----|-----|-------|------|---------|------------|--|
| E35 ESE | 415 | 01 | 3.0 | C | | A | | | | Optimization |
| E60 Engr | 310 | 11 | 3.0 | C | | A+ | | | | Technical Writing |
| E81 CSE | 330S | 11 | 3.0 | C | | A | | | | Rapid Prototype Development and Creative Programming |
| E81 CSE | 412A | 01 | 3.0 | C | | A | | | | Introduction to Artificial Intelligence |
| E81 CSE | 437S | 01 | 3.0 | C | | A | | | | Software Engineering Workshop |

Enrolled Units: 15.0 **Semester GPA:** 4.00 **Cumulative Units:** 115.0 **Cumulative GPA:** 4.00

MSN 8132 ENGINEERING GRADUATE REMISSION PERCENTAGE, 55

Transcript: No **Expires** 12/31/2999**SP2022****-----Grade-----**

| Department | Course | Sec | Units | Opt | Mid | Final | Dean | Dropped | WaitListed | Title |
|------------|--------|-----|-------|-----|-----|-------|------|---------|------------|--------------------------------------|
| E35 ESE | 520 | 01 | 3.0 | C | | A | | | | Probability and Stochastic Processes |
| E81 CSE | 314A | 01 | 3.0 | C | | A | | | | Data Manipulation and Management |
| E81 CSE | 416A | 01 | 3.0 | C | | A- | | | | Analysis of Network Data |
| E81 CSE | 473S | 01 | 3.0 | C | | A- | | | | Introduction to Computer Networks |
| E81 CSE | 517A | 01 | 3.0 | C | | A | | | | Machine Learning |

Enrolled Units: 15.0 **Semester GPA:** 3.88 **Cumulative Units:** 130.0 **Cumulative GPA:** 3.97

MSN 8132 ENGINEERING GRADUATE REMISSION PERCENTAGE, 55

Transcript: No **Expires** 12/31/2999**FL2022****-----Grade-----**

| Department | Course | Sec | Units | Opt | Mid | Final | Dean | Dropped | WaitListed | Title |
|------------|--------|-----|-------|-----|-----|-------|------|---------|------------|---|
| E35 ESE | 427 | 01 | 3.0 | C | | A+ | | | | Financial Mathematics |
| E35 ESE | 527 | 01 | 3.0 | C | | A+ | | | | Practicum in Data Analytics & Statistics |
| E35 ESE | 590 | 01 | 0.0 | U | | S | | | | Electrical & Systems Engineering Graduate Seminar |
| E60 Engr | 450F | 01 | 3.0 | C | | A | | | | Engineers in the Community (Engineering Ethics, Leadership and Conflict Management) |
| E81 CSE | 454A | 01 | 3.0 | C | | A | | | | Software Engineering for External Clients |

Enrolled Units: 12.0 **Semester GPA:** 4.00 **Cumulative Units:** 142.0 **Cumulative GPA:** 3.98

MSN 8132 ENGINEERING GRADUATE REMISSION PERCENTAGE, 60

Transcript: No **Expires** 12/31/2999**SP2023****-----Grade-----**

| Department | Course | Sec | Units | Opt | Mid | Final | Dean | Dropped | WaitListed | Title |
|------------|--------|-----|-------|-----|-----|-------|------|---------|------------|---|
| E35 ESE | 524 | 01 | 3.0 | C | | A | | | | Detection and Estimation Theory |
| E35 ESE | 590 | 01 | 0.0 | U | | S | | | | Electrical & Systems Engineering Graduate Seminar |
| E81 CSE | 450A | 01 | 3.0 | C | | A | | | | Video Game Programming |
| E81 CSE | 555T | 01 | 3.0 | C | | A | | | | Adversarial AI |
| E81 CSE | 559A | 01 | 3.0 | C | | A | | | | Computer Vision |

Enrolled Units: 12.0 **Semester GPA:** 4.00 **Cumulative Units:** 154.0 **Cumulative GPA:** 3.98

MSN 8132 ENGINEERING GRADUATE REMISSION PERCENTAGE, 60

Transcript: No **Expires** 12/31/2999

HON 0038 GRADUATED WITH ENGR HONORS: SUMMA CUM LAUDE

Transcript: Yes **Expires** 12/31/2999**OTHER CREDITS**

| Semester Dept Course SIS Title | | | | Type | Units | -----Units----- | | Dean Req. Art |
|--------------------------------|-----|------|--------------------------------------|------|-------|------------------------|-----------------|-----------------|
| | | | | | | AP Design | Topics Code Met | Sci Comments |
| FL2020 | E81 | 131 | Introduction to Computer Science | | 3.00 | | 3.00 | Juniata College |
| School: | | | Other Title: | | | Original Grade: | | |
| FL2020 | E81 | 1ELE | CSE Elective (Freshman) | | 3.00 | | | Juniata College |
| School: | | | Other Title: credit for ma116 | | | Original Grade: | | |
| FL2020 | E81 | 240 | Logic and Discrete Mathematics | | 0.00 | | | Juniata College |
| School: | | | Other Title: | | | Original Grade: | | |
| FL2020 | E81 | 247 | Data Structures and Algorithms | | 0.00 | | | Juniata College |
| School: | | | Other Title: | | | Original Grade: | | |
| FL2020 | E81 | 2ELE | CSE Elective (Soph) | | 2.00 | | 0.00 | Juniata College |

| School: | | | Other Title: | | Original Grade: |
|---------|-----|------|---|------|----------------------|
| FL2020 | E81 | 332S | Object-Oriented Software Development Laboratory | 0.00 | 2.00 Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | E81 | 556A | Human-Computer Interaction Methods | 3.00 | Juniata College |
| School: | | | Other Title: IT 260 | | Original Grade: |
| FL2020 | L04 | 1ELE | Chinese Elective: 100-Level | 4.00 | H Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L07 | 111A | General Chemistry I | 3.00 | N Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L07 | 151 | General Chemistry Laboratory I | 1.00 | N Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L11 | 1011 | Introduction to Microeconomics | 3.00 | S Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L13 | ELE3 | ENGLISH COMPOSITION ELECTIVE (JUNIOR) | 3.00 | H Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L15 | 1ELE | Drama Elective: 100-level | 3.00 | H Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L24 | 131 | Calculus I | 0.00 | N Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L24 | 132 | Calculus II | 3.00 | N Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L24 | 217 | Differential Equations | 3.00 | N Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L24 | 2200 | Elementary Probability and Statistics | 3.00 | N Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L24 | 233 | Calculus III | 3.00 | N Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L24 | 309 | Matrix Algebra | 3.00 | N Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L24 | ELE2 | MATHEMATICS ELECTIVE (SOPH) | 3.00 | Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L31 | 191 | Physics I | 3.00 | N Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L31 | 191L | Physics I Laboratory | 1.00 | N Juniata College |
| School: | | | Other Title: | | Original Grade: |
| FL2020 | L31 | 192 | Physics II | 3.00 | N Juniata College |

| School: | | | | Other Title: | | Original Grade: | |
|---------|-----|------|---------------------------------------|--------------|------|-----------------|-----------------|
| FL2020 | L31 | 192L | Physics II Laboratory | | 1.00 | N | Juniata College |
| School: | | | | Other Title: | | Original Grade: | |
| FL2020 | L31 | ELE3 | PHYSICS ELECT (JUNIOR) | | 3.00 | N | Juniata College |
| School: | | | | Other Title: | | Original Grade: | |
| FL2020 | L32 | 1ELE | Political Science Elective: 100-level | | 3.00 | S | Juniata College |
| School: | | | | Other Title: | | Original Grade: | |
| FL2020 | L42 | ELE2 | SPEECH ELECTIVE (SOPH) | | 3.00 | | Juniata College |
| School: | | | | Other Title: | | Original Grade: | |
| FL2020 | L59 | 100 | College Writing | | 3.00 | | Juniata College |
| School: | | | | Other Title: | | Original Grade: | |
| FL2020 | L80 | 0002 | Social Thought & Analysis Elective | | 4.00 | S | Juniata College |
| School: | | | | Other Title: | | Original Grade: | |

| GPA SUMMARY | | | | | | | | | | | | | | | |
|----------------|----------|----------|----------|----------|--------|------------|------------------|----------|----------|----------|--------|-------|------|------|-------|
| Semester Units | | | | | | | Cumulative Units | | | | | Level | GPA | | |
| Semester | Cr. Att. | Cr. Earn | P/F Att. | P/F Earn | Trans. | Grade Pts. | Cr. Att. | Cr. Earn | P/F Att. | P/F Earn | Trans. | Units | Sem. | Cum. | Level |
| FL2020 | 15.0 | 15.0 | 0.0 | 0.0 | 70.0 | 60.0 | 15.0 | 15.0 | 0.0 | 0.0 | 70.0 | 85.0 | 4.00 | 4.00 | 8 |
| SP2021 | 15.0 | 15.0 | 0.0 | 0.0 | 0.0 | 120.0 | 30.0 | 30.0 | 0.0 | 0.0 | 70.0 | 100.0 | 4.00 | 4.00 | 8 |
| FL2021 | 15.0 | 15.0 | 0.0 | 0.0 | 0.0 | 180.0 | 45.0 | 45.0 | 0.0 | 0.0 | 70.0 | 115.0 | 4.00 | 4.00 | 8 |
| SP2022 | 15.0 | 15.0 | 0.0 | 0.0 | 0.0 | 238.2 | 60.0 | 60.0 | 0.0 | 0.0 | 70.0 | 130.0 | 3.88 | 3.97 | 8 |
| FL2022 | 12.0 | 12.0 | 0.0 | 0.0 | 0.0 | 286.2 | 72.0 | 72.0 | 0.0 | 0.0 | 70.0 | 142.0 | 4.00 | 3.98 | 8 |
| SP2023 | 12.0 | 12.0 | 0.0 | 0.0 | 0.0 | 334.2 | 84.0 | 84.0 | 0.0 | 0.0 | 70.0 | 154.0 | 4.00 | 3.98 | 8 |

| ENROLLMENT STATUS | | | | | | | |
|-------------------|-----------|------------|-------------------|--|--|-------|-------|
| Semester | Start | End | Enrollment Status | | | Level | Units |
| FL2020 | 8/24/2020 | 1/10/2021 | Full-Time Student | | | 8 | 15.0 |
| SP2021 | 1/19/2021 | 5/13/2021 | Full-Time Student | | | 8 | 15.0 |
| FL2021 | 8/30/2021 | 12/22/2021 | Full-Time Student | | | 8 | 15.0 |
| SP2022 | 1/18/2022 | 5/11/2022 | Full-Time Student | | | 8 | 15.0 |
| FL2022 | 8/29/2022 | 12/21/2022 | Full-Time Student | | | 8 | 12.0 |
| SP2023 | 1/17/2023 | 5/10/2023 | Full-Time Student | | | 8 | 12.0 |

| DEMOGRAPHICS | | | | | |
|----------------------|--|--|--|---------------------------|--|
| Birthdate: 11/4/1998 | | Race: 5 - Non-Resident Alien (International) | | Semester of Entry: FL2020 | |
| Birth Place: Vietnam | | | | Entry Status: T | |
| Date of Death: | | | | Anticipated Deg Dt: 2023 | |
| Gender: M | | Hispanic: | | Std Expt Graduation: | |
| Marital Status: | | American | | Frozen Cohort: | |
| Veteran Code: | | Indian: | | Faculty/Staff Child: | |
| Locale: | | Asian: Y | | Alumni Code: | |
| U.S. Citizen: N | | Black: | | Prof. School1: | |
| Country: VM | | Hawaiian Pacific: | | Prof. School2: | |
| Visa Type: F1 | | White: | | Area of Interest: | |
| Nonresident Alien: Y | | Not Reported: | | Area of Interest Code: | |

| ADMINISTRATIVE CODES | |
|------------------------|--|
| Type | Value |
| Personal Email Address | hoanghm4@gmail.com |
| Remote Study Local | No |
| Remote Study Time Zone | Eastern Standard Time - (GMT-05:00) Eastern Time |

(US and Canada)
Yes

Remote Study US

HIGH SCHOOL - no records of this type found

PREVIOUS SCHOOLS

| Name | State | Code | Type Code | Type | Degree | Degree Date | Disciple Code | GPA | GPA Type | Credit |
|-----------------|-------|--------|--------------|------|--------|----------------|------------------|-----|-------------|--------|
| Juniata College | PA | 002341 | | | | | | | | |

UNIVERSITY EMAIL ADDRESS: h.ha@wustl.edu

FORWARDS TO: h.ha@email.wustl.edu