

## University of Minnesota Transcript

Name : Haw,Alexander John  
 Student ID : 5243209  
 Birthdate : 3 - 17

Print Date: 06/20/2021

TERM GPA : 2.860 TERM TOTALS : 19.00 19.00 19.00 54.336

## MOST RECENT PROGRAMS

Campus : University of Minnesota, Duluth  
 Program : UMD-Sci & Eng. Swenson Coll of  
 Plan : Electrical Engineering B S E E  
 Degree Sought : Bachelor of Science in Electrical Engineering  
 Advisor : Kwon,Taek Mu  
 Plan : Computer Engineering Minor

## Fall Semester 2018

University of Minnesota, Duluth  
 UMD-Sci & Eng. Swenson Coll of  
 Electrical Engineering Major

Course	Description	Attempted	Earned	Grade	Points
EE 2006	Electrical Circuit Analysis	4.00	4.00	A	16.000
EE 2325	Microprocessor Systems	4.00	4.00	A	16.000
MATH 3280	Differential Equations	4.00	4.00	A-	14.668
PHYS 2015	General Physics II	4.00	4.00	B+	13.332
PHYS 2016	General Physics Lab II	1.00	1.00	A-	3.667
TERM GPA :	3.745	TERM TOTALS :	17.00	17.00	17.00
					63.667

Term Honor: Dean's List

## - - - - University of Minnesota Degrees and Certificates Awarded - - - -

Degree: Bachelor of Science in Electrical Engineering  
 Confer Date: 05/07/2021  
 Degree GPA: 3.366  
 Acad Program: UMD-Sci & Eng. Swenson Coll of  
 Plan: Electrical Engineering B S E E  
 Plan: Computer Engineering Minor

## Transfer Credits

Transfer Credit from Anoka-Ramsey Community College  
 Semester Transfer Totals: 35.000

## Spring Semester 2019

University of Minnesota, Duluth  
 UMD-Sci & Eng. Swenson Coll of  
 Electrical Engineering Major

Transfer Credit from St Cloud State University  
 Semester Transfer Totals: 6.000

Course	Description	Attempted	Earned	Grade	Points
EE 2111	Linear System, Signal Analysis	4.00	4.00	A	16.000
EE 2212	Electronics I	4.00	4.00	A	16.000
MATH 3298	Calculus III	4.00	4.00	B+	13.332
WRIT 3130	Adv Writ: Engineering	3.00	3.00	A-	11.001
TERM GPA :	3.756	TERM TOTALS :	15.00	15.00	15.00
					56.333

Term Honor: Dean's List

## \* \* \* \* \* Beginning of Undergraduate Record \* \* \* \* \*

## Fall Semester 2017

University of Minnesota, Duluth  
 UMD-Sci & Eng. Swenson Coll of  
 Electrical Engineering Major

Course	Description	Attempted	Earned	Grade	Points
AIR 1000	AFROTC GMC Lead Lab	0.00	0.00	W	0.000
AIR 1101	Foundations of USAF	0.00	0.00	W	0.000
CS 1511	Computer Science I	5.00	5.00	A-	18.335
ECON 1023	Principles of Econ: Micro	3.00	3.00	B+	9.999
EE 1001	Introduction to EE	2.00	2.00	A	8.000
MATH 1296	Calculus I	5.00	5.00	B	15.000
TERM GPA :	3.422	TERM TOTALS :	15.00	15.00	15.00
					51.334

## Spring Semester 2018

University of Minnesota, Duluth  
 UMD-Sci & Eng. Swenson Coll of  
 Electrical Engineering Major

Course	Description	Attempted	Earned	Grade	Points
CS 1521	Computer Science II	5.00	5.00	B	15.000
EE 1315	Digital Logic	4.00	4.00	B-	10.668
MATH 1297	Calculus II	5.00	5.00	B-	13.335
PHYS 2013	General Physics I	4.00	4.00	B	12.000
PHYS 2014	General Physics Lab I	1.00	1.00	B+	3.333

## Fall Semester 2019

University of Minnesota, Duluth  
 UMD-Sci & Eng. Swenson Coll of  
 Electrical Engineering B S E E

Course	Description	Attempted	Earned	Grade	Points
EE 3151	Control Systems	4.00	4.00	B	12.000
EE 3235	Electronics II	4.00	4.00	C	8.000
EE 3445	Electromagnetic Fields	3.00	3.00	A-	11.001
STAT 3611	Intro Probability, Statistics	4.00	4.00	B	12.000
TERM GPA :	2.867	TERM TOTALS :	15.00	15.00	15.00
					43.001

## Spring Semester 2020

University of Minnesota, Duluth  
 UMD-Sci & Eng. Swenson Coll of  
 Electrical Engineering B S E E

Course	Description	Attempted	Earned	Grade	Points
AMIN 2605	Survey of Amer Indian Art	3.00	3.00	A	12.000
CS 3111	Computer Ethics	4.00	4.00	B	12.000
EE 4611	Intro Solid State Semiconduct	3.00	3.00	A-	11.001
EE 5351	General Robotics	3.00	3.00	A	12.000
EE 5533	Grid	3.00	3.00	A-	11.001
Due to the COVID-19 pandemic, Satisfactory/Not Satisfactory grading permitted for many classes and degree requirements.					
TERM GPA :	3.625	TERM TOTALS :	16.00	16.00	16.00
					58.002

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**Fall Semester 2020**

University of Minnesota, Duluth  
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 Electrical Engineering B S E E  
 Computer Engineering Minor

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>	
EE 4305	Computer Architecture	4.00	4.00	B-	10.668	
EE 4501	Power Systems	4.00	4.00	B	12.000	
EE 4899	Senior Design Project I	1.00	1.00	A	4.000	
EE 5765	Modern Communication	4.00	4.00	A	16.000	
ME 2105	Intro Material Science Engr	3.00	3.00	A	12.000	
TERM GPA :	3.417	TERM TOTALS :	16.00	16.00	16.00	54.668

**Spring Semester 2021**

University of Minnesota, Duluth  
 UMD-Sci & Eng. Swenson Coll of  
 Electrical Engineering B S E E  
 Computer Engineering Minor

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>	
ANTH 1080	Understanding Global Cultures	4.00	4.00	B+	13.332	
CS 2511	Software Analysis and Design	4.00	4.00	B-	10.668	
EE 4999	Senior Design Project II	3.00	3.00	A	12.000	
TERM GPA :	3.273	TERM TOTALS :	11.00	11.00	11.00	36.000
<b>Undergraduate Career Totals</b>						
CUM GPA:	3.366	UM TOTALS:	124.00	124.00	124.00	417.341
		UM + TRANSFER TOTALS:	170.00			

\*\*\*\*\* End of Transcript \*\*\*\*\*