



EDUCATION
FOUNDATION

SME

inspire • support • prepare

PERSONAL INFO

First Name	Cody
Last Name	Commons
Gender	Male
Date of Birth	10/30/1992
Age	21
Citizenship	USA

PERMANENT RESIDENT ADDRESS

Address 1	3212 144th Avenue
Address 2	-
City	Dorr
State/Province	Michigan (MI)
Postal Code	49323
Country	USA

Scholastic Information

Program Type	4 Year College or University
College Country	USA
College/University State	Michigan (MI)
College/University Attending	Ferris State University
College Credits as of June	112
Fall Semester School Name 1	Ferris State University
Fall Semester School State 1	Michigan (MI)
Type of Institution 1	4 Year College or University
Are you a Full Time or Part Time Student?	Full Time
Major 1	Manufacturing Engineering/Technology
Major 2	-
Fall Semester Class Level	Senior
Degree Expected	B.S.
Anticipated Graduation	May / 2014

TEST SCORES (Required for Current High School Students Only)

ACT Math	-
ACT Reading	-
ACT English	-
ACT Science	-
ACT Score Total	0
GPA	3.61

SME AFFILIATION

Are any of your parents or grandparents members of SME?	No
Are you a Student Member of SME?	No
Are you a previous recipient of a SME Scholarship?	No

Activity	Yes/No	Years	Last Year
STEPS Camp	No	-	-
Gateway Academy	No	-	-
First Robotics	No	-	-

Activity	Yes/No	# Courses	Location
PLTW	No	-	-

Activity	Yes/No	PAS School
Ford PAS	No	-

Other HS Pre-Engineering Courses	No
Have you had Co-Op Experience (Include on your Resume)	No

Cody Commons

3212 144th Avenue
Dorr, MI 49323

(616).510.6629
codycommons@yahoo.com

OBJECTIVE

To obtain an internship position within the engineering department of a company that allows me to exercise my acquired knowledge and skills gained from my education, as well as offer the chance for a long term commitment after graduation.

EDUCATION

To Graduate May 2014	Ferris State University	Big Rapids, MI
Bachelor of Science – Manufacturing Engineering Technology		GPA : 3.64
May 2012	Ferris State University	Big Rapids, MI
Associate in Applied Science - CAD Drafting & Tool Design Technology		GPA : 3.64
-Cum Laude		
2010	Hamilton High School	Hamilton, MI
General Studies		
-Industrial Arts Award		
2010	Careerline Tech Center	Holland, MI
Engineering Design and Machine Technology, using CATIA V5		
-Superior Comittment Award		

WORK EXPERIENCE

Summer 2011 and 2012	Concept Tooling Systems	Grand Rapids, MI
Die Design Intern		
Served as junior designer of jobs, designing various operations within both progressive and transfer dies to accommodate the provided part and process, adhering to customer and company standards. Oversaw design modifications in order to satisfy requests from the customer/check department. Ensure the final design would fit into the customer press, with proper allowances for lift, pad travel, and fork areas, as well as review of designs before being shipped to the customer.		
Aug 2011-December 2011	Ferris State University	Big Rapids, MI
CAD Tutor		
Tutored students in using SolidEdge ST4, aided with completion of CAD projects, bookwork, and answered various other questions. Installed CAD program on individual computers, acquiring licensing and permissions. In charge of grading various assignments and projects.		
March 2006-August 2011	Melridge Farms	Dorr, MI
Farm Worker		
Duties included milking cows and treatment when sick, managing milk testing, calf care and treatment when sick, cleaning stalls, overseeing cow wellness protocol, training new employees, managing current employees, equipment maintenance and upkeep, milk barn maintenance, and various landscaping duties around farm property.		

ORGANIZATIONS

Association of Tool Designers

President (2011-2012) - Member (2010-2011)

Coordinated a trip to the Fab-tech Expo in Chicago, petitioning Ferris State University for funding along with the CAD Drafting and Tool Design program. Directed the other members of the Association and together were able to receive almost full funding for the trip with only a small contribution by each member. Ran and oversaw fundraising projects as well as managed the bank account for the Association.

OTHER SKILLS AND ABILITIES

Microsoft Office

Including Microsoft Word, Microsoft Excel, Microsoft Powerpoint. Used for various assignments and projects.

CAD Packages

Unigraphics NX4 and NX 7.5

Used for summer internships implementing die design techniques. Utilizing both block and curve based features

SolidEdge ST4

Used throughout college Associate's program utilizing dimensions, constraints, animations, analysis techniques, assembly detail, and 2-D drafting practices, including proper dimensioning techniques and GD&T applications

MoldFlow Advisor

Used throughout college Associate's program utilizing chart analysis, and runner and gate creation and analysis

CATIA

Used throughout college Bachelor's program utilizing parametric modeling, proper file layout and structure, as well as toolpathing various aspects of a part (profiling, pocketing, drilling, surfacing, and facing)

Industry Understanding

Fixture Design

Basic understanding of fixture design, including go/no go gauge sizing, and various types of fixtures

Mold Design

Basic understanding of injection molding practices, including water line schematics, types of moldbases and sizing, runner and gates types and design, as well as cavity/parting line creation

Die Design

Great understanding of die design techniques, including blank, form, draw, cam, and pierce operations. Familiar with both transfer and progressive dies as well as hot forming. Comfortable with pressure requirement calculations, press selection, lift and pad travel calculation, strip layout configuration, and general layout

Machining Understanding

Good understanding of major basic machining practices, such as surface grinder operation, band saw operation, CNC mill and CNC lathe operation, manual mill and lathe operation, and proper speed and feeds calculations

Manufacturing Understanding

Able to perform time studies, right-hand left-hand charts, process flow charts, man-machine charts, labor estimating, and material estimating

REFERENCES

Available Upon Request

Cody Commons
19500 14 Mile Road
Apartment C7
Big Rapids, MI 49307
616-510-6629
January 26, 2013

I'm currently attending Ferris State University, pursuing my Bachelor's degree in Manufacturing Engineering. I chose my major based on my high school experiences where I was enrolled in an Engineering and Design course. It was there that I realized that I was intrigued with both the design and engineering side of the manufacturing industry, which caused me to attain my Associates degree in Tool Design, and from there, pursue my manufacturing interests. My short term career goals mostly include obtaining a summer internship. I hope to satisfy my wishes to go someplace new, where I can meet new people. I've always had the desire to meet new people and realize that there is no better opportunity than now. In the long term, I wish to find a career where I grew up near Grand Rapids, MI. As much as I enjoy meeting new people, my family and friends are my life. I'm truly happy around my family and wish to stay near them. My schooling is very important to me as I'm one of the first in my family to go to college, short term I'm mostly focused on maintaining my GPA. Long term my main goal is to graduate with my Bachelor's degree in four years while keeping my GPA above 3.5. I'm currently in a great position to accomplish these goals and have been able to make them realistic. Going to college was a big deal for my family and I, I didn't come from money and every step of the way has been a true challenge. This scholarship would greatly help me pay for my senior year, which can potentially be problematic as some of my scholarships will expire, it would be a personal and financial relief.

Student No: 12117057 Date of Birth: 30-OCT Date Issued: 25-JAN-2013 Page: 1

Record of: Cody Max Commons
 Current Name: Cody Max Commons
 Issued To: Cody Commons
 Official Student Copy

Course Level: Undergraduate
 High School: Hamilton High School 27-MAY-2010

Current Program
 Program : Manufacturing Tooling Tech
 Major : Manufacturing Tooling Tech

Degrees Awarded Associate in Applied Science 05-MAY-2012
 Primary Degree
 Program : CAD Drafting-Tool Design Tech
 College : Coll of Engineering Technology
 Major : CAD Drafting/Tool Design Tech
 Inst. Honors: Cum Laude

SUBJ NO.	COURSE TITLE	CRED	GRD	PTS	R
TRANSFER CREDIT ACCEPTED BY THE INSTITUTION:					
07/02/2010	Articulated Advanced Placement				
Ehrs: 2.00	GPA-Hrs: 0.00	Qpts: 0.00	GPA: 0.00		
200908	Lake Michigan College				
Ehrs: 11.00	GPA-Hrs: 0.00	Qpts: 0.00	GPA: 0.00		
INSTITUTION CREDIT:					
Term:	Fall 2010, Aug 30-Dec 17				
CDTD 111	Drafting Fundamentals	4.00	A	16.00	
CDTD 112	CAD Fundamentals	4.00	A	16.00	
ENGL 150	English 1	3.00	A	12.00	
FSUS 100	FSU Seminar-TE-CDTD	1.00	A-	3.70	
MATH 216	Applied Calculus	4.00	C+	9.20	
Term: Ehrs: 16.00	GPA-Hrs: 16.00	Qpts: 56.90	GPA: 3.55		
Good Standing					

Term:	Spring 2011, Jan 10-May 6				
CDTD 121	Product Detailing	3.00	A	12.00	
CDTD 122	Solid Modeling	4.00	A	16.00	
CDTD 130	CAD Tool Detailing	2.00	A-	7.40	
COMM 121	Fundamentals-Public Speaking	3.00	B	9.00	
ENGL 250	English 2	3.00	A	12.00	
PLSC 121	Amer Gov 1-People and Politics	3.00	A-	11.10	
Term: Ehrs: 18.00	GPA-Hrs: 18.00	Qpts: 67.50	GPA: 3.75		
Good Standing					

Term:	Fall 2011, Aug 29-Dec 16				
CDTD 211	Die Design	6.00	A-	22.20	
CDTD 222	Computer Aided Engineering	3.00	A	12.00	
MATL 240	Intro to Material Science	4.00	B+	13.20	
PHYS 211	Introductory Physics 1	4.00	B-	10.80	
Term: Ehrs: 17.00	GPA-Hrs: 17.00	Qpts: 58.20	GPA: 3.42		
Good Standing					

Term:	Spring 2012, Jan 9-May 4				
CDTD 212	Tool Design	3.00	A	12.00	
CDTD 221	Mold Design	6.00	A-	22.20	
MFGT 252	Advanced Machine Tools	2.00	A	8.00	
PHOT 101	Photography	3.00	A	12.00	
Term: Ehrs: 14.00	GPA-Hrs: 14.00	Qpts: 54.20	GPA: 3.87		
Good Standing					

Term:	Fall 2012, Aug 27-Dec 14				
CHEM 207	Science and Crime	3.00	A-	11.10	
HIST 122	US History - 1877 to Present	3.00	B	9.00	
MFGT 311	Industrial Engineering	4.00	A-	14.80	
MFGT 312	CNC and CAM	4.00	A	16.00	
MFGT 341	Quality Science Statistics	3.00	B	9.00	
Term: Ehrs: 17.00	GPA-Hrs: 17.00	Qpts: 59.90	GPA: 3.52		
Good Standing					

Term:	Spring 2013, Jan 14-May 10				
IN PROGRESS WORK					
MFGT 321	Metrology	3.00	IN PROGRESS		
MFGT 322	Production Processes	3.00	IN PROGRESS		
MFGT 324	Prin of Process Planning 1	3.00	IN PROGRESS		
MFGT 326	Proc Tolerance Design-Analysis	2.00	IN PROGRESS		
MFGT 342	Statistical Proc Engineering	3.00	IN PROGRESS		
SOCY 121	Introductory Sociology	3.00	IN PROGRESS		
In Progress Credits 17.00					
***** CONTINUED ON PAGE 2 *****					

***** CONTINUED ON NEXT COLUMN *****



REJECT DOCUMENT IF SIGNATURE IS DISTORTED.
 This official transcript is printed on security paper and does not require a raised seal.

Elise Gramza, Registrar
 This officially sealed and signed transcript is printed on blue Kan't Kopy® security paper with the name of the University printed in small crimson type across the face of the document. A raised seal is not required. When photocopied the word VOID should appear. A BLANK AND

Student No: 12117057

Record of: Cody Max Commons
Level: Undergraduate

Date of Birth: 30-OCT

Date Issued: 25-JAN-2013

Page: 2

***** TRANSCRIPT TOTALS *****
 Earned Hrs GPA Hrs Points GPA
 TOTAL INSTITUTION 82.00 82.00 296.70 3.61
 OVERALL 95.00 82.00 296.70 3.61
 ***** END OF TRANSCRIPT *****

REJECT DOCUMENT IF SIGNATURE IS DISTORTED.
 This official transcript is printed on security paper
 and does not require a raised seal.



Elise Gramza
 Elise Gramza, Registrar

This officially sealed and signed transcript is printed on blue Kan't Kopy® security paper with
 the name of the University printed in small, crimson type across the face of the transcript. A
 raised seal is not required. When photocopied the word VOID should appear in BLACK AND

Letter Of Recommendation

To: The Society of Manufacturing Engineers Education Foundation Scholarship Team

From: Mark Hill, Prof CDTD, Ferris State University, Big Rapids, Michigan 49307

Date: January 28, 2013

RE: Letter of Reference, Cody Commons, Applicant and his application to the SME EF Grant

Please consider this memo a letter of Recommendation for Cody Commons.

I am happy and please to give my unconditional recommendation of Cody Commons to receive a grant from the SME Educational Foundation.

Cody is for sure the exact type of student SME/EF had in mind what the Grant program started.

Cody is a very serious student, dedicated to learning all manufacturing concepts. Cody is a great student, and I wish I had more like him in my classroom.

Cody has taken the initiative to seek and work at various manufacturing positions (Metal Stamping Die Design) while not at school. His commitment to his future is serious, and I respect his work ethic and follow through.

You may email me or call for any additional information needed.

Mark Hill. Cell 231 557 2205 Email hillm@ferris.edu

January 28, 2013

Reference Letter: Cody Commons

To Whom It May Concern:

I understand Cody is applying for an SME Scholarship.

Cody has completed one course I have taught and is currently in three courses I am teaching this semester. I have been able to observe his past and present performance as a junior in the Manufacturing Engineering Technology curriculum at Ferris.

Cody is able to grasp technical and theoretical concepts as well as apply them. He is a solid student who will do well as a manufacturing engineer in the field. He gets along splendidly with others and is respected by his peers.

Cody is the type of student the SME wants to support. Personally, I would take many more just like him.

If you would like to speak with me about Cody, I can be reached at 231-591-2955 or on my cell phone which is 231-349-2239. My e-mail address is gregoryb@ferris.edu.

Sincerely,

Bruce Gregory
Professor
Manufacturing Engineering Technology
Ferris State University