Chase A. Mulder

Email: muldecha@mail.gvsu.edu | Phone: 616-295-4037

1435 Lincoln Ave

Charleston IL 61920

Today’s Date

Ms. Mary Lou Nelson

Manager of Human Resources

XYZ Corporation

2901 Glenwood Ave

Chicago IL 60429

Dear Ms. Nelson,

My name is Chase Mulder and I am very interested in working for your company over beginning in the summer of 2020.

My title senior year was Head of Electronics. I’ve been coding in C since Lego League in elementary school and this year fabricated a working slot machine with coin insert infrared sensors and a 16-bit LCD screen. I was the leader of my robot group for Grand Valley’s Robosockey competition and had the most indestructible and deadly robot on the course that scored a goal. The robot successfully ripped the winning team’s robot battery pack out in round 1 with its fast spinning metal teeth. I love welding and welded together a desk and a bike I cut in half and used a belt and flywheel system to translate the pedaling of the bike to power a generator. 3D printing is done quickly with my Solid Works skills, and I can manually G code a CNC machine for fabrication of parts.

My dream job is to be a Myth Buster like Adam Savage and to use my engineering skills to solve problems in the world to better humanity. I will always give your company 110% effort in dedication and time and hope to meet all the friendly people working there.

Sincerely,



G#0164 EGR289-04

Chase A. Mulder

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Education

Grand Valley State University Allendale, MI Expected Graduation: 2022

Degree: Bachelor of Science in Engineering

Major: Mechanical Engineering

GPA: 2.975­­

Engineering Experience

* Robo Sockey group leader Fall 2018
* Head of Power Consumption and batteries Fall 2016

For senior year electric racing kart

* Lego League robotics team member 2010 - 2011
* Assistant in fixing back axel and Summer 2017

Re-ball bearing the back wheel of my boat

* Pedal Desk senior year project Winter 2016

Projects

* Fabricated Robo Sockey Chassis
* Assembled 14 Solid Works parts into a Solid Works assembly
* Manually G-Coded chassis design and manufactured on CNC mill
* Wrote all the C Code for Robo Sockey robot
* Can control ultrasonic sensors, sharp infrared sensors, reflectance arrays, and DC gear motors
* Constructed Pedal Desk and is being used at Calvin Christian High School as an example to other engineers what a good Senior year project looks like
* Pedal Desk is a functioning generator with flywheel and gear box under your desk that you pedal to power a light bulb
* Head of Electronics for electric kart in the National Electric Kart Association
* Kart passed inspections held by Grand Valley engineers
* Designed and electronic teddy bear that was donated
* Replaced boat’s trailer wheel bearing and back axel
* Completed 50 hours of service doing volunteering work for Calvin Christian

Chase Mulder

Mechanical Engineer

Personal Information

**Address**

**Phone**

**E-mail**

muldecha@mail.gvsu.edu

**LinkedIn**

Linkedin.com/in/Chase-Mulder-

B35105179

Skills

MIG Welding

CNC machining

Metal band saw

CNC Machining

Metal band saw

Belt sander

Drill press

Power tools

Powered hand saw

Powered Angle grinder

Hydraulic press

Solid Works

Arduino Uno and Mega

C coding in Code Block

C coding in Code Composer Studio

Word / Excel / PP / Emailing

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Chicago IL 60429

Dear Ms. Nelson,

I thank you for the opportunity I had to speak with you. If you have and questions email me at muldecha@mail.gvsu.edu, or call 616-295-4037.

I’ll always be to work on time and come in with a good attitude. I very interested in what your company produces and would love to help make the process better and more efficient with the skills I bring to the table.

Again, thank you for the time I had with speaking with your recruiters, and I very much hope to work for your company for many years to come.

Sincerely,

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