**Elliott DuCharme**

808 Center Street, Caledonia, MN 55921

507-858-9061 | [Elliott.DuCharme@trojans.dsu.edu](mailto:Elliott.DuCharme@trojans.dsu.edu) | <https://github.com/ellman12>

**Education**

**Dakota State University**, The Beacom College of Computer and Cyber Sciences Madison, SD

Bachelor’s in Computer Science Expected May 2023

GPA: 3.707

**Relevant Courses**

* Object Oriented Design
* Advanced Data Structures
* Calculus
* Software Security
* Web App Programming II
* Networking I
* Machine Learning Fundamentals
* Intro to Statistics
* Assembly
* Discrete Math
* Operating Environments
* Intro to Physics

**Skills**

* Very skilled in and passionate about C#
* Can work in C, C++, Python, Java, AutoHotkey, SQL, HTML, CSS, x86 and x64 Assembly, JavaScript, PHP
* Fast learner
* Can efficiently write quality code in Visual Studio, Visual Studio Code, and JetBrains Rider
* Familiar with .NET and Blazor
* Familiar with Git and GitHub
* Familiar with robotics programming and vision
* Critical thinking and solutions focused
* Fluent in efficiency and automation tools
* Experience with both Windows and Linux
* Very proficient in Microsoft Office and Google Suite

**Projects**

I love to work on side projects in my free time, especially ones to save time, automate tasks, and make life easier. Some of my more pertinent projects include:

**AutoHotkey-V2**

* My magnum opus, an extensive repository of AutoHotkey scripts to automate many different Windows tasks and make daily computer use faster and easier
* Includes a mouse and keyboard with extra macro buttons, as well as an Elgato Stream Deck XL, and the button actions change based on the active program
* Recently revised and revamped original repository of scripts for better layout and organization and more modularity

**Photos Storage Server**

* A work in progress photo and video manager that will be my eventual replacement for Google Photos
* PC on local network that acts as the server
* Made in the excellent C# Blazor framework
* Uses PostgreSQL database for storing information such as what items are in the library, what albums there are and what items are in the albums, what items are in the trash, and the like

**Graphical Photo Organizer**

* A work in progress C# WPF app to organize folders of photos and videos
* Organizes a folder of photos and videos into a new folder based on when each item was taken

**Work Experience**

**Kitchen/Food Prep Assistant** May 2019–Present

**Kwik Trip**—Caledonia, MN

* Established strong time management and organization skills
* Prepared patron’s orders
* Provided successful customer service and communication skills with a high focus on teamwork and coordination

**Special Involvements**

Lead programmer for Caledonia FIRST Robotics Competition team October 2015–March 2020

GenCyber summer camp at Dakota State University June 2019

Computer Club and Programming Club Fall 2020–Present

**References**

Austin O’Brien

Computer Science Professor

Dakota State University

Austin.OBrien@dsu.edu

820 Washington Ave. N

Madison, SD 57042

Andrew Kramer

Computer Science Professor

Dakota State University

andrew.kramer@dsu.edu

820 Washington Ave. N

Madison, SD 57042

Mark Spanier

Math Professor

Dakota State University

Mark.Spanier@dsu.edu

820 Washington Ave. N

Madison, SD 57042

Larry Basegio

Robotics Mentor

650-544-0201

larrybasegio@gmail.com

824 S. Marshall St.

Caledonia, MN 55921

Amy Wild

High School Math Teacher

563-544-4712

ajwild81@gmail.com

2947 Irish Hollow Rd

New Albin, IA 52160