**Cole Fuerth**

1705 Lakeshore Road 215

Woodslee, ON, N0R 1V0

(519) 300-2877

[colefuerth@gmail.com](mailto:colefuerth@gmail.com)

SUMMARY OF QUALIFICATIONS

* Experience in professional programming environments, mainly Studio5000 and AtmelStudio
* Competent debugging and programming PLCs
* WHMIS Certified (lifeguard level)
* Proficient user of multiple technologies, adept at modifying computers and electronic systems
* Experience with operating a wide variety of heavy machinery including Tractors, Backhoes, Excavators, Harvesters through farming and casual labor in rural settings

EDUCATION

*B.Sci Computer Science – Honors*  09/2020 – Present

University of Windsor

* Courses include: Linear Algebra, C Programming, Differential Calculus,

Key Concepts in Logic

* Expected graduation: May 2024

*Electronics Engineering Technology – Industrial Automation* 09/2017 – 04/2020

St. Clair College, Windsor, ON

* Received the Student Leadership Award for graduating class year
* Courses include: DC and AC circuit analysis, digital systems, electronics, C language and PLC programming, microprocessor, and microcontroller programming
* Graduated April 2020
* Cumulative G.P.A: 3.921/4.0

*Ontario Secondary School Diploma* 09/2013 – 06/2017

Essex District High School, Essex, ON

* Seven 12U level courses, including: Mathematics, Physics, Chemistry, Computer Engineering, Computer Science and English

COMPUTER SKILLS

* Competent programming both Rockwell and Siemens PLCs
* Proficient user of MS Office Suite
* Excellent programming ability; C/C++ language, JAVA, Rockwell-Allen Bradley ladder logic (SLC 500, RSLogix 500), BASIC, Turing
* Intel 8085 assembly language programming
* Arduino projects done in AtmelStudio, a professional development environment

WORK EXPERIENCE

*Controls Engineering Technician* 05/2019 – 09/2020

Centerline Windsor Ltd

Tim Vincent (226) 348-1481

* Setup and final debug of industry standard production machines
* Programming of Rockwell GuardLogix PLCs, FANUC robots, and various other misc. industry devices, such as scribers, torque units, and cameras
* Machines worked on range in size from 12 cells at 6 PLCs, all the way down to small FlexFast machines

*AudioVisual/IT Support* 05/2018 – 05/2020

St. Clair College, Main Campus

Dusan Vucak (519) 564-3642

* Maintenance and troubleshooting of classroom AV setups (PCs, AV switches and amplifiers, projectors)
* Support for college events requiring audio/video and computer equipment

*Tool & Die Extra Hand* 07/2017 – 09/2017

Manor Tool & Die, Oldcastle, ON

Paul Maheux/Rick Lansou

* Delivery/pickup of tool and die sections and parts for shipping from various locations
* Operating a metal forming press
* Painting/cleaning dies
* Occasional machining of tool and die sections

*Lifeguard* 07/2015 – 05/2018

Leamington Kinsmen Recreational Complex, Leamington, ON

Kristen Curchin (519) 324-5418

* CPR-C and Lifesaving Experience
* Public Relations

HOBBIES/INTERESTS

* Playing with a variety of microcontrollers at home including Arduino-based projects using AtmelStudio, most notable project was my final project for Electronics Engineering: an E-bike programmed in C, over 1100 lines of code
* Building/programming model aircraft and drones
* Building and modifying computers and computer systems
* Building custom Electric Longboards

REFERENCES

Mr. George Peters

Coordinator

Electronics Engineering Technology – Industrial Automation program

St. Clair College of Applied Arts and Technology

2000 Talbot Road West

Windsor, ON

N9A 6S4

(519) 972-2727 ext. 4447

Mr. Doug Watson

Faculty

Electronics Engineering Technology – Industrial Automation program

St. Clair College of Applied Arts and Technology

2000 Talbot Road West

Windsor, ON

N9A 6S4

(519) 800-9287

Mr. Scott Pittl

Controls Engineering Supervisor <revise>

Centerline Windsor Ltd

415 Morton Dr

Windsor, ON

N9J 3T8

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