

Cole Fuerth

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SUMMARY OF QUALIFICATIONS

- Experience in professional programming environments, mostly Studio5000 and AtmelStudio, a Visual Studio-based IDE with debugging and simulation tools for micros
- Skilled with C programming on Micros
- Experience working with UART, I2C, BLE protocols
- Experience with design of custom circuit boards
- Competent debugging and programming Rockwell PLCs
- Proficient user of multiple technologies and operating systems, experience with both Windows and Linux, adept at modifying computers and electronic systems

EDUCATION

B.Sc. 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
- Excellent programming ability; C/C++/C#, JAVA, Rockwell ladder logic (SLC 500, RS Logix 500), BASIC, Turing
- Intel 8085 assembly language programming
- Arduino projects done in AtmelStudio, a professional development environment using Visual Micro

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 scribes, torque units, and cameras
- Machines worked on range in size from 12 cells at 6 PLCs, all the way down to small FlexFast machines

Tutor

11/2019 – 04/2020

St. Clair College, Main Campus

Marko Jovanovic mjovanovic@stclaircollege.ca

- Tutors are responsible for managing their own clients and hours
- Subjects tutored included programming in C, C#, Siemens/Rockwell PLCs, as well as Physics, Chemistry, Calculus (Differential/Integral), Circuit analysis, and more

AudioVisual/IT Support

05/2018 – 04/2020

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

HOBBIES/INTERESTS

- Arduino C programming is one of many hobbies, and programming Micros is something I hope to make into a career
- 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; the project consisted of 5 panels mounted to the frame, and 4 custom PCB boards for processing analog signals
- Building/programming model aircraft and drones
- Building and modifying computers and computer systems
- Building custom Electric Longboards; I put together the battery packs and program and wire the boards, and a friend CNC's all the hardware himself

REFERENCES

Mr. George Peters
Coordinator
Electronics Engineering Technology – Industrial Automation program
St. Clair College of Applied Arts and Technology
2000 Talbot Road West
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