Janos Banoczi-Ruof

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Objective: Seeking to apply knowledge in the field of Computer Engineering through co-op employment. Available from January – August 2025.

Education:
Rochester Institute of Technology
- Bachelor of Science in Computer Engineering Technology, expected May 2027
- GPA: 3.72/4.00
- Dean's List: Fall 2022 – Fall 2023

Coursework:
Computational Problem Solving I and II, Circuits I and II, Digital Systems Design, Microcontroller Systems, Discrete Math for Computing, Networking Technologies, Signals Systems & Transforms

Skills:
Software: C, C++, Visual Studio, Microsoft Office, Code Composer Studio, NI Multisim
Hardware: Quartus II, VHDL, ModelSim, Altera Cyclone II FPGA,
Lab Equipment: Oscilloscope, multi-meter, function generator, and soldering

Labs and Projects:
Digital Systems Design: **Vending Machine Design**
- Designed a state machine to control the operations of a vending machine, using a FPGA board for inputs and outputs.

Microcontroller Systems: **Autonomous Robot**
- Programmed a simple robot in Code Composer Studio that could avoid obstacles using an ultrasonic sensor. Successfully deployed on a TI Development Kit.

Computational Problem Solving I: Hangman
- Programmed a fully functional hang man game in C++ utilizing a hierarchical design.

Employment:
Facilities Worker, Berkshire Waldorf School, Great Barrington, MA
> June 2023 – August 2024
> Responsible for helping maintain the facility grounds, utilizing heavy machinery.

General Assistant, Sawyer Antiques, West Stockbridge, MA
> June 2022 – August 2024
> Partook in the setup, sale, and disassembly of estate sales and assisted with the safe transportation of antiques.

Activities/Interests:
- RIT Launch Member, Fall 2022 – Fall 2023
- Antique restoration, music, cinema, and tinkering.