



## Location

Kingston/Ottawa, Ontario

## Phone

(343)-333-2512

## Email

Tpetersen1525@gmail.com

## Certifications

- G Class License
- Smart Serve
- CISCO NetAcad
- TryHackMe

## Activities & Interests

- Music Performance
- Electronic & computer projects
- Soccer
- Golf

## References

Marlene Thalen  
Manager at The Ivy  
(702)-331-7208

Steven Black  
Mentor  
(613)-572-0626

# Thomas Petersen

I am 22 years old and in my third year of Computer Engineering at the University of Ottawa, with school experience with electrical circuits, logical designs, mathematics, coding, CAD, and collaborative work. I am eager to learn and acquire new skills that can benefit my understanding of the computer/electrical engineering industry. I consistently bring a strong work ethic and a positive attitude to every task and I look forward to contributing these qualities to your business.

## Education

### 2023 – Present | University of Ottawa

Bachelor of Applied Science Computer Engineering

### 2021 – 2023 | Dalhousie University

Bachelor of Engineering in Electrical Engineering (Transferred)

### 2016 – 2020 | KCVI

High School Diploma

## Work Experience

### Patio Server/Bartender | The Ivy Restaurant

Summer 2023

- Provided excellent customer service in a fast-paced environment, ensuring guest satisfaction
- Managed high-volume of orders efficiently while maintaining attention to detail

### Inside Seasonal Salesman | Lowe's Kingston

Summer 2022

- Assisted customers with product selection and inquiries
- Maintained and organized inventory, improving store layout for customers

### Parking Lot Attendant & Lift Operator | Lake Louise Ski Resort

November 2021 – May 2022

- Helped manage parking operations and assisted guests, ensuring smooth and safe experiences
- Operated ski lifts, guaranteeing safety for all guests

## Key Skills & Characteristics

- **Engineering Skills:** Digital Circuit Design, Embedded Systems, Circuit Design, Signal Processing
- **Programming Languages:** Java, C++, C VHDL, Rust (relearning)
- **Hardware & Software:** Arduino, HCS12 Microcontroller, Quartus II, Altera
- **Collaborations & Communication:** Strong teamwork abilities, experience in customer relations, effective written and verbal communication

## Engineering Projects & Experiences

- **LCD & 7-Segment Display with HCS12 Board:** Developed and tested C code for a display output, implementing timer interrupts
- **Transistor Amplifiers:** Implemented many different types of amplifiers using BJT and MOSFET transistors. Using signal analysis to determine small & large signal voltage gain and bandwidths.
- **Digital System Projects:** ALU, Traffic Light controller, UART, floating point addition & multiplication, and many other smaller designs.