

PETER BAGGETTA B.ENG

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PROFILE

As a recent Computer Engineering graduate with up-to-date knowledge and strong problem-solving abilities, I am a dedicated and dependable worker. My diverse experience in office settings and development has honed my clear communication skills and enables me to collaborate effectively in various work environments as I pursue my P.Eng. license.

SKILLS & CERTIFICATIONS

- 4 years – Git, GitHub & GitLab
- 4 years – HTML & CSS, C & C++
- 4 years – MATLAB & Simulink & R
- 3 years – Python, Java & JavaScript
- 3 years – Verilog, VHDL & assembly
- 3 years – NodeJS, React & React Native
- 2 years – PHP, SQL & NoSQL, Spring Boot, React, Junit, Jira, Figma & Cloudflare
- 1 year – Microsoft Azure, Docker, Bitbucket, Cloudinary & SwiftUI
- AWS Solutions Architect Knowledge Badge (AWS Cloud Technologies)
- Quartus, Vivado, Cadence, & Xilinx
- Windows, Mac & Linux experience
- FreeRTOS, I2C, SPI, ARM Cortex
- FPGAs and SoC Device (ARM & x86) programming in VHDL, Verilog, MIPS/ARM assembly & C
- Keil & IAR Compiler workflow

PROJECTS

AES Encryption Coprocessor in CBC Mode

- Implemented an AES co-processor on a DE1-SoC development board. The project was developed using Verilog and C code within the Quartus Prime II FPGA Software IDE.

Data Compression in an Edge Computing Environment using an Auto-Encoder

- Created a Python and C-based data compression auto-encoder to evaluate CPU performance and power usage in an edge computing environment, optimizing both compile and runtime processes with various compilers.

EXPERIENCE

JUNE 2022 –
AUGUST 2022

Software Development Engineering Intern, Publicis Sapient

Toronto, Ontario

- Developed a website using Spring Boot, React, and NodeJS to host and manage advertisement campaigns, enabling efficient creation, editing, viewing to be distribution to customers.
- Utilized Bitbucket, REST, CI/CD Pipelines, Docker, Kubernetes, Microsoft Azure and MongoDB for development and deployment.
- Contributed to \$1 billion in media sales, collaborating with skilled developers and maintaining partner relationships through Agile-based weekly meetings.

MAY 2020 –
AUGUST 2020

Supply Chain Intern, Bernstein Diet & Health Clinics

Toronto, Ontario

- Tracked medical orders using in-house software, making timely deliveries, and providing usability suggestions.
- Supported IT by collaborating on hardware upgrades, system migrations, and validating new software, while also handling high-order volumes during peak seasons.

MAY 2020 –
SEPTEMBER 2023

Landscaping/Maintenance Team, Copper Creek

Kleinburg, Ontario

- Worked in a senior role within the landscaping team.
- Trained new employees to utilize different equipment and informed fellow coworkers on WHMIS safety measures.

SEPTEMBER 2019 –
FEBRUARY 2023

Lifeguard & Swim Instructor, University of Guelph

Guelph, Ontario

- Ensured the safety of 200+ guests in and around swimming pools, remaining vigilant at all times.
- Provided tailored swimming tips to boost confidence in individuals with limited swimming abilities and resolved conflicts as a leader among lifeguard colleagues.

EDUCATION

SEPTEMBER 2019 –
APRIL 2023

Bachelors of Computer Engineering, University of Guelph

Guelph, Ontario

- Graduated with High Honours
- Dean's List, 4 consecutive semesters