Brandon James Carpenter

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GitHub : https://github.com/Bcarpenter5

Objective

Dynamic professional with a strong background in computer engineering technology and business administration, seeking to leverage expertise in embedded development, STM32 programming, and business management to contribute effectively to innovative projects and drive organizational success. Passionate about applying technical prowess and strategic business acumen to deliver impactful solutions in dynamic environments.

Education

- NAIT Computer Engineering Technology Program (Expected Graduation: This Year)
    - Dean's List
    - Developing an accessible Remote for the Elderly
- Liberty University Bachelor of Business Administration (Expected Graduation: This Year)

Skills

Computer Engineering
Proficient in:
- C/C++
- Bare metal development for the STM32
- Python
- C# .NET
- ASP.NET Core
- LINQ
- HTML/CSS
- SQL
- Data communications (RS232, RS485, TCP/IP, etc...)
- JavaScript
- Signal conditioning circuits
- Soldering and circuit board development

Business
Ability to:
- Analyze and comprehend financial statements
- Develop economic viability assessments for counties across Alberta
- Successfully boot strap a company

- Managed a team of 11 employees

Most Recent Experiences

Owner - Crave Cartel: 2020-2022
- Initiated and managed three mobile catering units with a team of up to 11 professionals.
- Operated across multiple municipalities from Mountain View County to Calgary and Drumheller.
- Successfully divested the business in April 2022.

Family Business: 2008-Present
- Contributed to the inception of over 20 enterprises.
- Assisted in land development, commercial and residential construction, liquor store management, restaurant operations, wedding planning, and gas station management.

First Nations Structures: Oct 2021-2022
- Collaborated with 16 different counties on lobbying efforts.
- Conducted comprehensive surveys on land use and policies in various counties.
- Researched and evaluated Counties based on business receptiveness.
- Deep understanding of factors contributing to a competitive and sustainable municipality.

In-depth Jobs and Experiences
- 582 Patio and Grill || International Grill: 2017-2018 & 2020-2021
  - Served in all roles and eventual became a manager.
- Road Bridge Services: Summer 2023
  - Operated and maintained rock trucks and skid steer equipment.

Projects
- ◆ HackEd - Hackathon 2021 – Self-watering and maintaining plant

- ◆ HackEd - Hackathon 2022 – Automated Fish Farm

- ◆ Nait -Game-Jam 2022 – Adventures of Sqizgar

- ◆ Pong Boy – Self-contained solo pong embedded Project