



November 27, 2012

To whom it may concern:

Re: Michael Browne

I am very pleased to hear that Michael is applying for a Co-op/Intern position and I am honored to offer this reference on his behalf.

During the fall semester of his freshman year at Wentworth, I had Michael for Introduction to Engineering, a required course in his Electromechanical Engineering Program. Like most freshmen, Michael felt challenged by his new environment.

Michael and I first met in a Mechanical laboratory. My goal that first session was to introduce a drag experiment to the class and have them participate as groups. They were to measure drag values of a number of match box cars in a subsonic wind tunnel. I noticed Michael sitting right in front of me, first row, prepared, ready to work. His attention was focused on me. It was obvious he understood what I was demonstrating and he remained very attentive. When it came time for his group to choose the test model, mount the vehicle on the stand and operate the tunnel, he was the leader. He was the one who knew what to do.

In the following lab sessions, involving other mechanical engineering systems, the pattern was the same. Michael would sit in the same seat, with the same attention and determination. After the introduction of the experiment and operation of the unit, his group would finish the assigned work with efficient and complete understanding. This was a model group; certainly a result of Michael's leadership.

The laboratory program ended in December. Michael and I would see each other occasionally in the corridors of WIT.

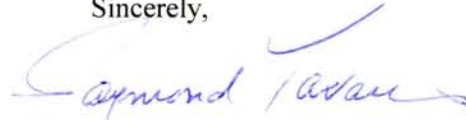
At the end of the spring semester of his second year, Michael visited me in my office and told me that he was considering, doing his optional co-op session in the upcoming summer. He recalled that I mentioned the need to recondition a supersonic wind tunnel. He communicated his interest was in aerodynamics, specifically supersonic flow and asked if I would sponsor him. I agreed to work with him.

During the summer months, we refurbished and updated a 1967 vintage supersonic wind tunnel as well as a supersonic nozzle. Pressure transducers and thermocouples were added to each and the Schlieren system for the wind tunnel was redesigned. Models and other components were also fabricated. Michael did most of the searching, installation and fabrication of these devices. He demonstrated great patience, and attention in completing his tasks. His basic skills met and sometimes exceeded expectations and his understanding of the physical principles of these components was impressive. Michael performed exceptionally well.

On a personal basis, Michael was always pleasant, respectful and friendly. He was a joy to work with. I also observed that his classmates appeared to like him and enjoy his companionship. I have been in contact with his department faculty members who indicated a strong respect for him.

I do believe that Michael Browne has the maturity, discipline and qualifications necessary to participate in any Co-operative engineering program. I strongly recommend him.

Sincerely,



Raymond Tavares
Professor Emeritus
Electronics/Mechanical Department