**Malaki Vandas**

1787 McKenzie Ave., Victoria, BC, V8N1A6

Cellphone: 7782576721

mjvandas@uvic.ca

**Professional Profile**

* Capable of operating mills, lathes, band saws and drill presses
* Adept at using hand tools
* Have observed the operation of the CNC mill and the laser cutter extensively
* Proficient in using SolidWorks
* Have observed the use of Mastercam
* Strong understanding of engineering drawings
* Recognize and demonstrate belief in the importance of shop etiquette, cleanliness and safety
* Clean, tidy and organized
* One-year experience as a receiver
* Able to interact with clients in a positive, professional and respectful manner

**Education**

* Mechanical Engineering - Bachelor of Engineering, University of Victoria, Victoria BC – 2020
  + Engineering Drawing (MECH200)
  + Mechanics of Solids
  + Properties of Engineering Materials
* Valleyview Secondary School, Kamloops BC – 2015
  + Completed four years of drafting courses

**Relevant Skills**

|  |  |  |
| --- | --- | --- |
| **Machining / Tool Operation** | **CAD / CAM / Engineering Drawing** | **Shop Etiquette** |
| * Operating:   + Mills   + Lathes   + Band saws   + Drill Presses   + Various power tools   + Various hand tools   + CNC mill   + Laser cutter   + Tapping machine | * SolidWorks * Considering fabrication when designing parts:   + Eg. Fixture holes * Mastercam * Laser cutting software   + Inkscape   + Trotec * Creating/understanding engineering drawings:   + Dimensioning   + Tolerances | * Ensuring shop safety via:   + Cleanliness   + Organization   + Communication * Shop maintenance:   + Cleaning and oiling mills and lathes   + Sweeping   + Tidying workstations * Overseeing inventory |

**Professional Experience**

**Workstation Analyst** – January 2017 - April 2017

***BC Pension Corporation***– Victoria, BC

* Learned to communicate with clients to fully understand their requests
* Managed requests submitted through various media (phone, online, email)
* Analyzed project processes and techniques to identify new approaches to problems or areas of weakness
* Processed accurate case documentation for all incidents and requests
* Composed effective documented instructions to assist clients and IT staff
* Demonstrated effective teamwork in stressful times to prevent detrimental, corporation-wide incidents

**IT Analyst** – May 2016 - September 2016

***Canada Revenue Agency (CRA)*** – Vancouver, BC

* Provided IT deskside support
* Redesigned the inventory system used to locate and keep track of electronic assets
* Learned troubleshooting processes to solve many different types of computer problems
* Demonstrated exceptional interpersonal skills by interacting and connecting with each of the office’s 100+ clients

**Swamper / Receiver - Volunteer & Employee** – January 2014 - June 2015

***Habitat for Humanity ReStore*** – Kamloops, BC

* Arranged and distributed construction supplies
* Received large shipments of furniture and construction supplies
* Operated many power tools and hand tools
* Analyzed layout of warehouse and organized to ensure safety of employees and customers

**Crew Member** – February 2013 - April 2015

***McDonald’s*** – Kamloops, BC

* Learned to share a workspace with others
* Received large shipments of stock
* Memorized procedures in meal preparation, leading to efficient and timely service to customers

**Projects**

**UVic Rocketry Team (Team Captain Elect)** – January 2017 -

* Spent over 60 hours in the machine shop fabricating parts for the rockets and creative mechanisms to help with the overall construction
* Worked closely with the design of the aerostructure and coupling modules of rockets using SolidWorks
* Manufactured multiple carbon fiber tubes
* 3D printed nose cones and fins
* Performed many testing procedures

**Restoring ’96 BMW** – April 2014 - August 2014

* Removed engine with engine hoist to replace automatic transmission
* Learned to keep parts and hardware organized to rebuild with ease
* Used many hand and power tools

**Training and Certification**

* Occupational First Aid Level 3, 2015
* S-100 Basic Fire Suppression & Safety Course, 2015
* S-185 Fire Entrapment Avoidance and Safety Equivalence Course, 2015

**Interests**

* Rocketry
* Space and the concept of human colonization of the Moon or Mars
* Designing and creating absolutely anything
* Fixing cars
* Playing basketball

*~References available upon request~*