**ANTHONY** QIU

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**SUMMARY OF QUALIFICATIONS**

* 2+ years of 3D modeling experience with Solidworks and Revit, with 4 projects completed utilising this skill
* Experience creating technical drawings with Solidworks and AutoCAD
* Experience in 3D printing
* General java (5 years), python (1 year), and C++ (1/2 year) skills
* Bilingual in English and Conversational Mandarin

**PROJECTS**

**Launcho |** The spring powered toy rocket launcher Sept 2022 – Dec 2022

* Modeled and assembled individual parts using Solidworks, preparing the team for construction of the design.
* 3D printed unique parts using Solidworks files
* Machined certain parts using lathes, mills, and vertical bandsaws

**Saitama |** A general purpose discord bot/application programmed with python Jun 2021 – Aug 2021

* Utilised json files to store user information and updated it with python code
* Used external libraries stored in a virtual environment to complete more advanced tasks such as playing audio via YouTube video

**EXPERIENCE**

**Crew Member** Jul 2021 – Jul 2022

McDonalds,Markham, ON

* Worked in a high intensity kitchen to prepare food for customers by using effective and concise communication
* Taught new crew members skills by thoroughly explaining and demonstrating new concepts
* Demonstrated flexibility by taking on a wide variety of tasks

**Co-op Student** Feb 2021 – Jun 2021

WizRobotics Markham, ON

* Web scraping contact information for a large-scale competition using python and selenium, playing a crucial role in gathering participants
* Scored submissions in a large robotics competition by closely analysing participant work based on judging criteria

**Camp Assistant** Feb 2021 – Jun 2021

Venom Volleyball, Richmond Hill, ON

* Supervised children during drills and games
* Instructed volleyball techniques with demonstrations and interactive activities

**EXTRACURRICULARS**

**Propulsion Team Member** Sept 2022 – Present

Waterloo Rocketry, Kitchener, ON

* Researched compatibility between 2000-series aluminum alloy and Nitrous Oxide, then presented the results with a report
* Analysed unwanted feed system oscillations found during cold flow test, and suggested a solution which resulted in the elimination of these oscillations
* Sourced a pressure regulator with unique requirements by contacting various companies

**EDUCATION**

**Student |** Honors Mechanical Engineering Sept 2022 – Present

University of Waterloo, Kitchener, ON

* Term Average: 89.18%