

ANTHONY QIU

EMAIL: anthony.bo.qiu@gmail.com

PHONE: 647-917-8891

WEBSITE/PORTFOLIO: anthonyq.me

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%