May Tang

1111 Vancouver St, Vancouver, BC, V6X XXX

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October 24, 2020

Contact Name
Contact Title
Company Name
Company Address

Re: Finger Food Studios, #Job ID Number

Dear First & Last Name or Dear Hiring Manager or Dear Hiring Team:

I am excited to write to apply for the Co-op quality assurance tester position of Finger Food Studios. As a third-year Electrical Engineer student who has solid hardware and software skills, and who has some insights in computer-based tests and debugging, I find myself deeply interested in this position. I also have strong self-learning skills and self motivation that drives me toward perfect completion even if tasks assigned to me are beyond my knowledge.

From my second-year project courses that focused on FGPA-based or microcontroller-based programming, I acquired some knowledge of debugging and testing for both hardware and software. In the past summer, I worked as an embedded development intern engineer on a team of 5 for Fujitsu General's air conditioner development project. I wrote C code for modules of the air-con and tested them on the air-con prototype. When other teammates were too busy to do tests, I would do both tests and debugging for them. This experience is very influential to me in that I learned how to develop effective test cases and debugging techniques. Also, I got to know the standards with which companies require test cases to be developed. My supervisor in Fujitsu has praised me as an employee who always completes assignments in time, with unexpected efficiency and results.

I find this position matches my passion because I know that Finger Food Studios has a focus on developing innovated solutions for machine-human interactions, and I am a very sensitive person to technology in this area. In the past year, I was on a research team which investigates into Virtual Reality and recommender systems. It would be my honor if I could play a role in your teams that development teams that work on such solutions.

This position that Finger Food offers really interests me, and I think the experiences of working on various teams and solid software-based technical skills make me a strong candidate. I appreciate for reading through this letter, and if you are interested, you could have a closer look at my resume. To arrange an interview with me, please contact the Co-op Office at 111.111.1111 or coop.interviews@ubc.ca.

Sincerely,

May Tang

May Tang Electrical Engineering Student

1111 Vancouver St, Vancouver, BC, V6X XXX   1111@gmail.com | 111-111-1111| Linkedin

TECHNICAL SKILLS

Programming Languages
- Verilog
- C programming language
- Python
- MATLAB
- ARM/8051 assembly language

Software
- Git
- Quartus
- ModelSim
- MATLAB/SimuLink
- Circuit Maker/LTspice
- MS Word, MS Excel, MS PowerPoint
- MS Visual Studio/VS Code
- Solidworks
- WinMerge

Hardware
- Altera FGPA board
- Oscilloscope
- Function generator
- Multimeter
- Arduino board
- Breadboard/Electronic components
- PCBs

EDUCATION

University of British Columbia   **Jun, 2022**
Bachelor of Applied Science - Electrical Engineering

TECHNICAL WORK EXPERIENCE

Fujitsu Nanda Software Technology Ltd., Nanjing, China   **Jue, 2020 – Aug, 2020**
Embedded design development engineer
- As a Junior Development Engineer, on a team of 5, cooperating with Fujitsu Japan on the project of Fujitsu General's Room Air Conditioner embedded development based on Renesas Electronics' RL78 microcontroller
- Main task was to write hardware-level code in C for different modules (LED, main fan, fan plate, etc.) of the aircon and to test and debug on the aircon prototype using tools such as Renesas Cube Suite+ and VS Code

TECHNICAL PROJECTS

Automated Retrieving Claw Design, UBC   **Jan, 2019 – Feb, 2019**
- Worked on a team of 6 to design an automated object-retrieving steel claw, with steel sheets, a sonar, a motor, wires and an Arduino board
- Was one of the main members who wrote code for the Arduino board for the sonar to sense objects and the motor to operate properly within response time
- Produced an engineering drawing of the claw by building up its model using SolidWorks

Reflow Oven Controller, UBC   **Jan, 2019 – Feb, 2019**
- Designed a reflow oven controller using a AT89LP controller. Specifications: Prompting for user selections of time and temperature, modulating the power delivered by the oven
- Wrote 2000+ lines of code in assembly language, including FSMs that direct the clock and the temp controller, the LCD display of user interface

OTHER WORK EXPERIENCE

Ailang Education, Nanjing, China   **Apr, 2018 – Aug, 2018**
Physics and Chemitry 11 tutor
• Was a paid tutor of a grade-11 student in China's high school, in Physics and Chemistry

66RPG, Beijing, China   **Sep, 2017 – Feb, 2018**
AVG website script writer
• Wrote script for the AVG website and got paid for every 10,000 characters written

VOLUNTEER EXPERIENCE

Nanjing Geological Museum, Nanjing, China   **Aug, 2017 – Jun, 2018**
Activity organizing volunteer
• Helped the museum to organize Geology lectures for interested students and scholars regularly
• Guiding visitors around the museum

NJPingan Stray Animal Rescue Center, Nanjing, China   **May, 2020 – Jun, 2020**
volunteer
• Helped clean the environment that the stray animals live and receive the guests that came to adopt the animals

AWARDS

Trek Excellence Scholarship, UBC   2020
Trek Excellence Scholarship, UBC   2019
Faculty of Applied Science International Student Scholarship, UBC   2019

INTERESTS & ACTIVITIES

• Co-founded a psychology club back home and regularly organized club events (e.g. Psychology textbook reading events, lectures, movie events)
• An intermediate guitar player, in both flamenco guitar and acoustic guitar