

Haotian Luo

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Education

September 2018 – present

BACHELOR OF APPLIED SCIENCE, UNIVERSITY OF TORONTO

Major in Computer Engineering, 4th Year

RELEVANT COURSES: COMPUTER NETWORKS, ALGORITHMS AND DATA STRUCTURES, COMMUNICATION AND DESIGN(C++), OPERATING SYSTEMS, DATABASES, INTRODUCTION TO MACHINE LEARNING

September 2017 – August 2018

BACHELOR OF APPLIED SCIENCE, UNIVERSITY OF TORONTO

Major in Chemical Engineering and Applied Chemistry, 1st Year

- SGPA 3.64, Dean's List Certificate

Received Entrance Award: Faculty of Applied Science and Engineering Admission Scholarship and The Norman Ramm Scholarship

Skills & Abilities

- C, C++, Java, Python, MATLAB, C#, PostgreSQL, Unity, Git, Object-Oriented Programming

Experience

SOFTWARE DEVELOPER - GAMEPLAY, MILLIONAIRE, UKEN GAMES – 2020

Worked as a full-time software developer in *Millionaire* dev team for 12 months, starting May 2020.

- Worked with both Unity UI and C# code to develop game features and fix bugs
- Worked with reference data, retrieved and modified values in tsv file when needed
- Helped QA tasks and tested for bugs, created tickets and reported to bug trackers
- Communicated with product team and art team, consulted for requirements
- Gained understanding in game developing procedures and game industry

TEAM LEADER, COMMUNICATION AND DESIGN, U OF T – 2019

- Developed a GIS system ("Google Maps Project") in C++ with two other teammates
- Built the app from scratch, imported data from OpenStreetMap API and stored in data structures
- Visualize the map from API with graphical library "EasyGL" in Linux environment
- Implemented A* Algorithms to find the shortest path on the map
- Led a group of three programmers, developed leadership skills, held team decision making

PRODUCT TEAM MEMBER, WUHAN ONEW TECHNOLOGY CO., LTD – 2019

- Assembled VR training machines and set up operating environment for the machine
- Learned basics of C# and .NET Framework with Visual Studio

Project

- Reversi Game, building heuristic function and implementing AI with C
- Cooperative and Preemptive Thread Scheduling with C
- UDP/IP File Transfer with C – socket programming
- SQL and JDBC, Database Design with PostgreSQL
- Building a Skyscraper – Verilog pong game
- Tic Tac Toe with C++ and C#
- Stickman Racing Game with C on VGA display
- For a complete list of projects, please refer to GitHub page: <https://github.com/MiaoPasss>

Thank you for completing this form. Your responses have been recorded.

Click 'Download PDF' to save a copy of the completed form for your own records.

You will also receive an email with a summary of your responses. You will be asked to consider your responses when preparing the PEY Co-op Report.

Below is a summary of your responses

[Download PDF](#)

PEY Co-op Final Self-Reflection Form

The purpose of this form is to help you to reflect on your knowledge, skills, and attitudes at the end of the PEY Co-op work term and to further facilitate your professional development.

You are required to complete and submit this form within the last month of your PEY Co-op work term. Your responses will not be graded and will not have any implications for your academic standing. You will only be graded for the completion of the form.

Only the Engineering Career Centre will have the access to your responses. You may share the completed form with your supervisor at your own discretion.

You will be asked to consider your responses to the form when writing the PEY Co-op Final Reflection Report. You will have an opportunity to download and save a copy of the completed form upon its submission (click 'Download PDF'). You will also receive an email with a summary of your responses.

Student information

(ensure to provide accurate information)

Student name	Haotian Luo
Program	Computer Engineering
Company name	Uken Games
Student job title	Software Engineer - Gameplay
Student phone number	6479788270

Supervisor information

(ensure to provide accurate information)

Supervisor name

Andrew Milner

Supervisor job title

Senior Software Engineer

Supervisor email address

andrew.milner@uken.com

Supervisor phone number

6477808469

Considering your PEY Co-op experience, please rate your skills on a scale from 1 (poor) to 5 (outstanding). If you have not had an opportunity to develop a specific skill yet, select 'not applicable.'

Technical skills

	Poor (1)	Fair (2)	Good (3)	Very good (4)	Outstanding (5)	Not applicable
Correctly apply technical knowledge to practice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Gather and evaluate data and information to reach conclusions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Analyze and solve open-ended technical problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Design a product, instrument or tool to meet desired needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Use technical tools (e.g., software) and resources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

Communication and teamwork skills

	Poor (1)	Fair (2)	Good (3)	Very good (4)	Outstanding (5)	Not applicable
Effectively communicate orally	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Effectively communicate in writing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Work collaboratively and respectfully with others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Accept and apply feedback from others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

Time management and organization skills

	Poor (1)	Fair (2)	Good (3)	Very good (4)	Outstanding (5)	Not applicable
Work independently with little supervision	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Plan and organize work	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Complete work assignments on time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Adaptability

	Poor (1)	Fair (2)	Good (3)	Very good (4)	Outstanding (5)	Not applicable
Adapt to and navigate workplace environments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Manage job expectations	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Initiative and leadership skills

	Poor (1)	Fair (2)	Good (3)	Very good (4)	Outstanding (5)	Not applicable
Ask questions and seek support from others	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seek out opportunities to contribute to the organization	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Influence and motivate others	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Learning skills

	Poor (1)	Fair (2)	Good (3)	Very good (4)	Outstanding (5)	Not applicable
Learn new concepts and ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Identify gaps in my knowledge and skills and find ways to fill these gaps	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

Ethics and social responsibility

	Poor	Fair	Good	Very good	Outstanding	Not
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	(1) Poor	(2) Fair	(3) Good	(4) Very good	(5) Outstanding	applicable Not applicable
Make ethical judgments in complex situations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Understand the impact of my work on society	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

If you have any comments about your skills, please state them below.

Considering your PEY Co-op experience, please indicate the level of your agreement with the following statements.

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
I am confident in my technical knowledge and skills.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
I have a clear idea of my career direction following graduation.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I have a clear idea of courses and projects I want to undertake in my final year.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I am planning to become an engineer.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

If you have any comments about your responses to the above statements, please state them below.

Please evaluate your co-op workplace environment and experience by indicating the level of your agreement with the following statements.

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
My actual job responsibilities closely matched the original job description.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I was satisfied with the training I received at the beginning of my work term.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I had the opportunity to apply	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
my university learning (technical and soft skills) to my work.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
The volume of my work was manageable.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
My work was challenging overall.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
My supervisor provided me with guidance and support.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
My supervisor was approachable.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
My colleagues were supportive of me personally.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
My workplace had diversity and inclusion policies and I was informed about them.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
I felt included in my workplace (i.e. felt welcomed, included in the team, involved in workplace activities, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
My co-op experience contributed to my technical development.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
My co-op experience contributed to my professional development.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I feel more prepared to enter the job market than before starting my co-op term.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
My overall experience was positive.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Would you like to be contacted about opportunities to give back to the PEY Co-op community?

- ☒ **Yes**
- ☐ No

Would you like to provide a testimonial about your PEY Co-op experience?

- ☐ Yes
- ☒ **No**

If you have any comments about your co-op workplace environment (e.g., supervisor,

colleagues, supports, and work assignments) and the overall co-op experience, please state them below.