Apple Team 

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Introduction

About Us

- Apple team is a team of five young and enthusiastic programmers who are interested in open-source projects and willing to solve problems for better solutions. They believe that with close observation, there is always room for improvement for any product.

Team goal

- Try our best to provide high-quality solutions for existing issues in Scikit.
- Do some improvements for some poorly designed algorithms.
- Build a well-structured UML diagram to reflect on the structure of the project.
- Add one to two new features to complete the project's functionality.

Team strength

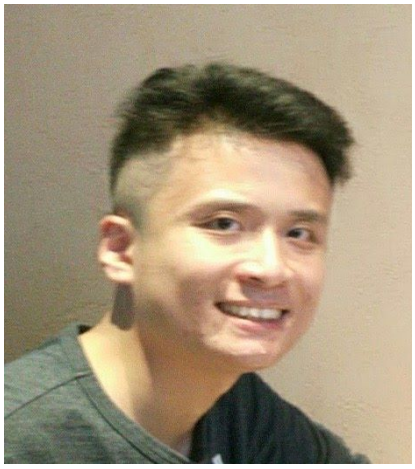
- All members have working experience such as software development experience and QA testing experience.
- At least one team member has machine learning experience.
- All members are familiar with the Python language.
- All members have passion to learn new things and are dedicated to help others with their projects.

Team Members

Jingwei Wang

Hi, I am Jingwei, a fourth-year student at the University of Toronto at Scarborough, specializing in a computer science co-op program. I worked at International Financial Data Services in 2019 summer of 2019 for four months, and the title for my job is a software engineer. It was my first working experience, and it was also my first time joining a software development team. After my first work term, I went back to school in September 2019. During school time, I and some friends formed a 7-people team and finished a trip planning software that followed the Scrum Agile framework. Then I had spent one year working at CIBC to complete my remaining co-op terms, and now I am back to school again. We formed a new software development team – apple_team to fight new coming challenges along with some friends. I am looking forward to working with my amazing teammates and come up with some fantastic deliverables soon!

Guikang Zhong



My name is Guikang Zhong. I am a fourth-year undergraduate student at the University of Toronto, enrolled in a computer science specialist, Software Engineering Stream. I had a four-month co-op work experience at the Ministry of Transportation, which helped senior staff work on ETL data integration. Now, I am a co-op software developer at the Ministry of Education and build an internal website application to track students' records. My goal is to be a skilled software developer who can deliver a product with rapid and sustainable user growth and profoundly impact the users. In terms of technical skills, I am familiar with several software development languages, such as JavaScript, CSS, HTML, Java, Python, and SQL etc. In terms of soft skills, team-oriented, punctuality, and self-learning are my strength. In my study career, I have done an excellent project within seven people, a mobile application that enables users to customize their travels in selected cities based on their input parameters.

Wenyun Liu

My name is Wenyun Liu, and this is my last year studying at UTSC. I am currently specializing in the computer science, software engineering stream. I had co-op work experience at the Ministry of Education, which uses a high technology level from HP. It helped me gain experience with new technology such as HP Application Lifecycle Management (ALM) and Oracle PL/SQL. The waterfall project methodology was used there rather than Agile. For technical skills, I am familiar with Java, Python, C, Shell, Haskell. I also have experience with development tools such as Wing, Eclipse, Android SDK, Subversion (SVN). I have excellent time management skills developed through working in a fast-paced team environment in C01, C10, B07, 343 during the previous semesters. I can deal with challenges and always display a positive attitude. I can have a great time with my team members of D01 and work well together.

Siyang Shen

My name is Siyang Shen, with my personal website here, and this is my last term before graduating from UofT. I am currently pursuing a Bachelor of Science degree in Software Engineering specialist in Computer Science, with a minor in Statistics. Regarding the well-known machine learning library, scikit-learn, I previously took C11 with an emphasis on it. Additionally, I had an internship experience at the University of Toronto as a machine learning engineer. I chaired and administered the machine learning BI project of university yield forecasting during the position, benefiting the budget planning for future academic years. Various machine learning and deep learning libraries were used for experimenting purposes, including Scikit-learn, Spark, XGBoost, TensorFlow, and Keras. The experience above has prepared me with the well-rounded familiarity of scikit, and it will surely lead our group to succeed in the end. I am sincerely looking forward to working with my teammates on the project!

Yong Tian Chen

My name is Yong Tian Chen. I am a fourth-year undergraduate student studying at the University of Toronto Scarborough Campus. I am currently enrolling as a computer science specialist, Software Engineering Stream. This is my last term study at UofT. I had experience in coding python, java, C#, and VBA. During my undergraduate, I had eight months of working experience with SQL solutions to maintain their newly launched website and four months of working experience with CRA to improve their system. Even though this project involved some machine learning technique and I have not yet studied it, I believe in the passion for learning and the great teamwork between my teammate and me. We can solve the bug in a short amount of time and improve the system very quickly. I believe this course will help me learn how to code in the real world, and after this project, I will try to find some open-source projects on Github.

Team Expectation Agreement

1. Method of Communication
    - Regular meeting at **Discord**
    - Daily communication method: **Messenger** and **Email** first.
    - Contact with **phone calls** in an emergency.

2. Communication Response Times
    - As soon as possible, preferably within **2 hours**

3. Meeting Attendance
    - All meetings are **mandatory** to attend.
    - Regular meetings will take place on weekends, usually **Saturday 8 pm**. Additional meetings will take place when necessary.
    - If meeting time changes, it will be announced 1 day in advance.

4. Running Meetings
    - Online through **discord** and **Jira**
    - **Yong Tian Chen** will be the note taker
    - Team Lead(**Siyang Shen**) will lead the meeting

5. Meeting Preparation
    - Everyone should finish their tasks before the meeting.
    - Everyone should read the assignment document and the Jira task board before the meeting and know what the team needs to do.
    - Team Lead should lead the meeting and divide the tasks.

6. Version Control
    - Will be using **git** as our version control tool.
    - Whoever commits the work should make sure their code works.
    - When working on a new feature or a new bug fixing, a new branch must be create, and will be merged to the master branch by pull request once it is completed
    - Pull requests should be reviewed by **at least** one other team member.
    - Whoever makes a commitment will message others through Messenger or Email.
    - If there is a conflict, we will set up a quick meeting to resolve together.

7. Division of Work
    - Team members can provide preference for the tasks.
    - Team members can discuss the workload for the tasks.
    - The team lead will assign tasks to team members.

8. Contingency Planning
    - Team promptly seeks help from the instructor.
    - Then, scrum master will hold the meeting and re-assign the work to others immediately in case a member drops out

Software Development Methodology

We, as Apple team, are going to adopt Agile methodology, specifically its framework Scrum to manage our software development since it is very effective in the fast-paced development and we all have experience with it. We will use the Jira Software to realize the Scrum methodology. First, we will construct a list of user stories to figure out what we are going to accomplish with scikit-learn and place it in the product backlog on Jira. Next, the product backlog will be divided into four sprints backlog to match the four phases of this project in CSCD01. Each sprint backlog will contain a portion of the user stories and we are going to specify them into detailed tasks in different priorities, ranging from the lowest to the highest, for each team member to do. In terms of facilitating communication, the scrum master will hold a weekly scrum team meeting on Discord to keep track on every member's work progress, address problems that hinder the development, and readjust the work accordingly.

We accept these guidelines and intend to fulfill them (sign below):

Wenyuan Liu

Yongtian Chen

Jingwei Wang

Guikang Zhong

Siyang Shen