Eric Hua

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QUALIFICATIONS SUMMARY

Self-motivated and highly reliable University of Toronto St. George Campus CS undergraduate student intended to obtain a summer 4-months-cooperative education position in software development.

- **Skills:** Strong programming and math skills, proficient in Python and Swift, have decent experience with Java, HTML/CSS/JavaScript, REST API, draw UML diagrams and memory models (Python).
- **Work Ethics:** Able to write clean, organized and understandable code with comments, comply with code standards, and write thorough and complete test suites.
- **Communication & Cooperation:** Comfortable with building good relationships with peer coders and QA's; able to acknowledge peer accomplishment and contribute to a positive and productive work environment.
- **Overall Experiences:** Experiences in developing iOS software at high school (with 4.7k unit downloads on the Apple AppStore); experiences in computing contests (algorithms development).
- **Key Strengths:** Move fast and willing to learn; excellent problem-solving ability; strong interpersonal and communication skills.

EDUCATION

H.B.Sc., Computer Science (Anticipated April 2023); 3.85 GPA overall; 4.00 GPA in CS and Math courses.
University of Toronto, Toronto, ON
- *University of Toronto Scholar Awards (2019)*

EXPERIENCE HIGHLIGHTS

Pinetree Secondary School, *Coquitlam, BC*
Student, Software development (2016 - 2019)
Spent half a year to study the Swift Programming Language (Apple), tackled real-life problems, and provided solutions as iOS software on the Apple AppStore.
- Built a simple five-in-a-row chess game (Gomoku) AI which can defeat most real players.
- Developed a system integration using REST API to present and analyze real-time stock info.
- In total of 4.7k unit downloads on the Apple AppStore.
- Earned the University of Toronto Scholar Awards (carried a value of $7,500).

Pinetree Secondary School, Coquitlam, BC
Student, Algorithms, Computing Contests (2016 - 2019)

Learned and practiced computer algorithms systematically all the way from linked lists to complicated algorithms such as the Dijkstra's SPF algorithm; participated in computing contests.

University of Toronto, *Toronto, ON*
Student (2019 - Present)
Currently pursuing a four-year course of study in Computer Science and planning to pursue the CS specialist with an Applied Statistics major, laying solid groundwork for career in software development, artificial intelligence, etc. Demonstrated engaging learning attitude and fast learning ability. Scored an overall 3.85 GPA and a 4.00 GPA for all my computer science and mathematics-related courses (90%+).

- Taking online courses on Udemy.com and learning Xamarin Forms, Database Driven C#, C++, and Angular.

Self-Oriented Projects

CONNECT-5 (IOS & Web) (2018)
Connect Five, also called Gomoku or Gobang, is an abstract strategy board game. It is played with Go pieces on a Go board, and the first player to form an unbroken chain of give stones wins the game. This project intends to create an AI that plays against the player.

- Online player vs. player mode using Google Firebase.
- Offline player vs. AI (Swift for iOS and JavaScript for Web).
- Store gameplay data using JSON.
- Language Used: Swift, HTML/CSS/JavaScript.

EdiFinance (IOS) (2018)
TODO! is a simple mobile to-do list application and task manager app that helps the users get tasks done efficiently on the iOS AppStore. The users can easily make, share, complete tasks such as school projects, vacation planning, etc. The main difference between my to-do list and other similar applications on the market are that mine has integrated a calendar that can show tasks in a more clear and organized manner.

- Used REST API to fetch stock data.
- Used Google Apps Scripts to automatically fetch real-time data from the data source.
- Language Used: Swift, JavaScript, REST API.

TODO! (IOS) (2017)
TODO! is a simple mobile to-do list application and task manager app that helps the users get tasks done efficiently on the iOS AppStore. The users can easily make, share, complete tasks such as school projects, vacation planning, etc. The main difference between my to-do list and other similar applications on the market are that mine has integrated a calendar that can show tasks in a more clear and organized manner.

- Language Used: Swift.