Andy Yin

647-619-3582 | ay.yin@mail.utoronto.ca | https://www.linkedin.com/in/yin-andy/

Technical Skills

- **Language:** Python, Java, JavaScript, HTML, CSS, SQL
- **Technologies:** React, MongoDB, Node.js, Next.js, SQLite, MacOS
- **Tools:** Github, Git, Visual Studio Codes, Pycharm, IntelliJ IDEA

Experience

Technical Projects

FarmersFriend 2024

- Engineered a full-stack web application using MongoDB, Express.js, React, and Node.js, helping farmers boost annual revenue by facilitating the sale of surplus crops and reducing food waste
- Designed and tested middleware for real-time data updates, ensuring consistent availability of accurate information to stakeholders
- Led a team of 3 developers, utilizing GitHub for version control and smooth integration of contributions

DevDuel 2023

- Built a gamified coding productivity platform using Next.js and Tailwind CSS, recognized for the 'Best Use of GitHub' award at Hack the Valley
- Designed and implemented responsive UI/UX components of the platform to optimize accessibility across devices
- Developed an AI chatbot using LangChain API to assess and score code submissions, ensuring high adherence to best practices.

Executive Positions

Bayview Secondary School Computer Club 2023-2024

- Led a group of 5 high school students in club operations which led to 20% increase in annual club events and consistent weekly seminars
- Communicated with school administration and external mentors to secure funding and resources for competitions and seminars.
- Designed competitive coding problem sets, improving average scores in national contests like the Canadian Computing Competition by 15%.

Education

University of Toronto

Bachelor's of Science in Computer Science Expected Graduation: 2028

Current GPA: 3.9

Relevant Coursework

Introduction to Computer Science I (CSCA08)

- Wrote a multitude of unit tests for python scripts ensuring 100% function output accuracy.
- Implemented various searching and data collection algorithms while upholding strict coding practices

Calculus I for Mathematical Sciences (MATA31)

- Strengthened logical and critical thinking skills through constructing rigorous mathematical proofs using precise definitions and theorems.
- Applied structured problem-solving techniques to solve mathematical problems, enhancing attention to detail