Morgan Chang

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Seeking an Internship Position

EDUCATION

University of Toronto St. George — Toronto, Canada

Computer Science Specialist & Statistics Major — September 2019 to Present

- Current Computer Science GPA: 3.85/4.0
- Relevant Courses:
  Software Design, Computer Organization, Intro to Theory of Computation, Computer Organization, Software Tools & Systems Programming, Data Structures and Analysis, Intro to Software Engineering, Intro to Databases, Operating Systems, Methods of Data Analysis I
- Award:
  Recipient of University of Toronto Faculty of Applied Science & Engineering Admission Scholarships

RELEVANT COURSEWORK

Etherea — Fall 2021

- Worked with a social enterprise to build a mobile application that encourages sustainable development goals with React Native and Node.js
- Built REST-based services for all user-based operations
- Utilized bcrypt & JWT authentication for user login, Postgres for storing data
- Setup commits to Github to pass integration test via Github Actions before being deployed to Heroku

Conference Management Application — Fall 2020

- Applied principles of object-oriented design to write an open-source desktop platform containing user identities and communication & event scheduling systems
- Implemented a GUI with JavaFX framework in Java
- Programmed the application allowing user registration with functionalities: user-based auto-saving and auto-retrieving, event information managing and visualizing, and interactive menu of options that are specific to the type of user

Doodle-Jump-like Game — Fall 2020

- Created an animated Doodle-Jump-like game with emulation of most of the original game's features
- Implemented the CPU instruction set with MIPS Assembly language and tested with a simulated environment within MARS

TECHNICAL SKILLS

Programming Languages
Proficient in Python, Java, C, R, Bash
Familiar with JavaScript, SQL, MATLAB, Assembly, Solidity

Frameworks & Libraries
PostgreSQL, Express.js, React, Flask

Technologies
Git, LaTeX, Linux, Heroku

EXPERIENCE

Shin Kong Mitsukoshi Department Store — Taipei, Taiwan

Marketing & Sales Assistant Summer Intern — July 2019 to August 2019

- Analyzed data and weekly sales to monitor revenue with MS Excel
- Helped with events organization and marketing collateral production