JYOTHIR KRISHNAN

Student

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🌐 jyothir21.github.io/Personal-Portfolio/

Relevant Skills

Languages – C, Java, Linux/Unix, C++, HTML, CSS, JavaScript, R

Development/Design Tools – Git, GitHub, GitLab, Agile, Docker, JUnit, MS Office, ArcGIS, GNU Octave

Leadership – Self-development, Responsibility, Strategic Thinking, Ethical Practice

Currently Learning – Python, SQL, MySQL, DOM, SVG, jQuery, PHP

Interests – Volleyball, Badminton, Basketball, Travelling, Gaming

Personal Projects

Nov. 2022 – Dec. 2022

Game Suite Application
- Developed a GUI game hub (compatible with CMD interface) which enabled users to play Tic-Tac-Toe and Number Scrabble game using Java.
- Incorporated use of core Object-Oriented principles including encapsulation, inheritance, and polymorphism.
- Used a Docker image as the development environment which involved the use of Gradle and Git to control compilation and packaging tasks.
- Use of the JUnit testing framework to follow a professional and industry standard programming environment.

Apr. 2021 – May. 2021

Ecommerce Shopping System
- Developed an Ecommerce shopping system that can be implemented in the real-world using C++.
- Built a GUI shopping interface to enhance users experience with the software.
- Improved flexibility for employees by involving back-end statistics and stock supply management for convenience.
- Currently working on incorporating SQL database to keep track of sales records in replacement of file systems.

Work Experience

Jan. 2023 - Present

Teaching Assistant (Intermediate Programming)
- Helping teach advanced concepts in C programming language including dynamic memory management, linked lists and trees.
- Conducted office hours to aid students in the learning process of the C programming language.
- Creating video tutorials on specific concepts in C and Git for the class.

Sep. 2022 – Dec. 2022

Teaching Assistant (Software Design 1)
- Conducted lab sessions to teach about Agile and Waterfall methodologies, programming in Python, and using Git.
- Conducted extra office hours to clarify student questions and assist them in learning.
- Graded assignments/quizzes and helped teach lectures alongside the professor.

Education

Bachelor of Computing Honours, Computer Science (Co-op)
Minoring in Geographic Information Systems (GIS)
University of Guelph – Guelph, ON
GPA: 87.13%

Achievements:
> *College of Engineering & Physical Sciences Dean's Honours List (Fall 2021- Present)* - achieving an 80% or above average in all the completed semesters.

> *Entrance Scholarship (2021)* – in recognition of completing high-school with an average of 95% or above.

Key Academic Projects:
> *Tweet Manager (2022)* - Developed a C program mimicking twitter's basic functionalities using linked lists and dynamic data structures.

Relevant Courses
> *C Intermediate Programming • Object-Oriented Java • Data Structures, Statistics • Operating Systems • Analysis & Design of Computer Algorithms • Software System Development & Integration.*

Extra-curricular

Sep. 2021 – Jan. 2022	**SOCIETY OF COMPUTING & INFORMATION SYSTEMS MEMBER** | University of Guelph • Actively involved in attending tech events and collaborating with the community to brainstorm innovative ideas. • Helping organize community coding competitions and fun activities for students
Sep. 2017 – Jun. 2021	**MANAGER, SCHOOL CODING CLUB** | Jean Augustine S.S. • Led and organized club events/meets for the coding club in our school. • Helped new club members strengthen their programming skills. • Aided students prepare for coding competitions and hackathons
Sep. 2018 – Sep. 2019	**ACADEMIC COMMISSIONER, LINK CREW** | Jean Augustine S.S. • Organized and approved educationally events in the school, including EQAO preparation and exam study sessions. • Planned and organized orientation day for new Grade 9 students • Helped run parent nights at the school and advertised what the school offers for students

Certificates & Competitions

Canadian Computing Competition (2020)
> Participated in a Canada wide competition for programming to gain more knowledge and experience.

Brampton Board of Trade (Top 20 Under 20 Award) (2019)
> Recognized by the city council for bringing a change within the school community and invited to participate Brampton's Top 40 Under 40 event.

GAUSS Math Contest (2019)
> Ranked top 25% of contestants in the year of 2019.

Additional skills

- Dependable
- Adaptable
- Communication

- Analytical
- Team Building
- Customer Service