HANSA HALIM

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in /in/hansahalim

 hansahalim

⚙️ Technical Skills

Languages:
- C • C++ • Bash • HTML • CSS
- Scheme • MATLAB • ActionScript

Technologies & Frameworks:
- UNIX • Android Studio • Git • Vim
- DrRacket • Bootstrap • Visual Studio
- Photoshop

🎖️ Achievements

MLH StarterHacks 2019 Hackathon Winner for Best Internet of Things award.

Computer Science Award for being the top student in our high school.

President's Scholarship by the University of Waterloo.

2nd Place at CEMC Canadian Team Mathematics Contest held under University of Waterloo at The International School of Macao.

📘 Activities & Interests

Ambassador Representative for the Faculty of Mathematics in Fall 2017.

Skiing, Cooking, Eating, Travelling, Photography, Billiard, Bubble Tea and Aviation Enthusiast.

🎓 Education

University of Waterloo Bachelor of Mathematics (2017 - 2021)

PROJECTS

REAL TIME MOBILE QUEUEING SYSTEM | JAVA, XML
LEAD DEVELOPER | JANUARY 2019   VIEW
- MLH Hackathon Award Winning Project that lets the user line up for a service without having to be physically present.
- Successfully integrated Google's Firebase Real Time Database to connect services and clients.
- Implemented the QR Code scanning and matching mechanism using the ZXing library.
- Led and collaborated in a team of 4 to critically think of solutions to numerous bugs and difficulties.

MULTIPLAYER STATIC TETRIS GAME | C++
SOFTWARE DEVELOPER | NOVEMBER 2018   VIEW
- An Imitation of the well-known Tetris game with multiplayer functionality and special actions which makes the game competitive between two players.
- Implemented using Object-oriented Programming principles using the decorator, factory, and model-view controller design patterns.
- Integrated with X11 forwarding to display a graphical interface of the game.

FLAPPY SHIP FLASH GAME | ACTIONSCRIPT
SOLE DEVELOPER | JUNE 2017   VIEW
- Similar to the viral Flappy Bird game but using a ship instead of a bird and arrow keys instead of tapping.
- Randomly spawning obstacles are achieved by using a method similar to the Factory Method Design Pattern.

EXPERIENCE

VOLUNTEER FRONT-END WEB DEVELOPER
MON SHEONG FOUNDATION | TORONTO | JUN - SEP 2018
- Collaborated in a team of 3 to build a public facing website using HTML, CSS, and JavaScript.
- Improved user experience and responsiveness for mobile users by implementing the Bootstrap framework.

PRESIDENT
UW INDONESIAN STUDENTS' ASSOCIATION | SEP - DEC 2018
- Enthusiastic leader with a creative team who successfully organized numerous events and developed strong communications skills by representing the Indonesian people in the city of Waterloo to the public and the Indonesian Consulate.

INFORMATION TECHNOLOGY INTERN
ASIA SYMBOL (GUANGDONG) PAPER CO. | JUL - AUG 2016
- Learned the implementation and deployment process of SAP's Enterprise Resource Planning on a new paper machine.