

Zakir Dawood

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Technical Skills

- **Proficient in:** Python, Java, HTML/CSS, Visual Basic **Familiar with:** JavaScript, C, PHP, Perl, Ruby, Lisp, MySQL
- **Technologies/Frameworks:** Django, Bootstrap, Semantic UI, Visual Studio, Processing IDE, Linux, Git/Github

Projects

Frameworks Website | **Web Systems Development** - HTML, CSS, Semantic UI, Django, Heroku November 2021

- Created an attractive, dynamic and responsive website largely using HTML, CSS and Semantic UI
- Used Django to let the user switch between pages and email users of their choice through the host email
- Hosted the website on Heroku by using commands on the terminal with git

Runner Sid | **Side Project** - Python, Pygame August 2021

- Created a game where the user must reach the end while avoiding snakes and mobile cannonballs fired at them that reset the user upon collision
- Incorporates multiple classes and objects indicating collisions and increases in velocity
- Utilizes Pygame and built-in libraries to load external images, music and elapsed times

Flight Reservation System | **CS-II** - Java April 2021

- Used object-orientated programming, collection frameworks, interfaces, file-reading, unit-tests and exception handling to create a flight reservation system for multiple flights, aircraft and passengers with 15+ classes
- Implemented an algorithm to determine passport eligibilities to ensure each flight seat has a unique passenger while allowing passengers to reserve seats on different flights
- Created a priority queue that seats passengers by seat type and location on aircraft during boarding

Experience

Paper Education - *Academic Tutor*, Toronto, Ontario September 2021 - Present

- Promptly and diligently deliver Humanities and English assistance to high school and post-secondary students through a Socratic approach
- Review essays and other written pieces to assure students have high-quality content, avoid grammatical/structural issues and are given valuable feedback
- Communicate issues, messages for teachers, plagiarism cases and student analysis to the platform managers

DECA Ryerson - *Delegate*, Toronto, Ontario September 2021 - Present

- Demonstrated strong interpersonal skills through networking, attending workshops and competing in national university marketing case competitions resulting in strong scores from the judges

Ontario Learning Development Foundation - *Instructor/Counsellor*, Toronto, Ontario June 2021 - October 2021

- Instructed 50+ students from grades kindergarten to 12 in mathematics and English through drop-in sessions
- Collaborated with other instructors and supervisors to analyze the progress of students and develop new strategies to further improve results via weekly meetings leading to a 15% increase in attendance
- Developed and introduced coding activities to the organization to spark interest in young students

Ryerson University Hacks - *Team Leader*, Programming Competition, Toronto, Ontario May 2021

- Led a team of programmers to develop a discord bot within 48 hours that delivers real-time covid-19 case/vaccination statistics using Python and Selenium, a new technology learnt during the sprint of this project
- Developed the web scraping algorithms to filter out unnecessary/unreliable information with an accuracy rate of 95% to find the most reliable statistics and then deliver them to users in an efficient manner
- Created the presentation and documentation for judges and participants

Education

Bachelor of Science in Computer Science (Co-op), Ryerson University September 2020 - Present

- **CGPA:** 4.23/4.33; **Awards:** Dean's List, Renewable Scholarship
- **Relevant Courses:** CS I/II, Computer Organization I/II, Data Structures, UNIX/C/C++, Web Systems Development, Communication in the Computer Industry