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EDUCATION

Honours in Bachelor of Science (Computer Science and GIS)   **University of Toronto – 2022**

QUALIFICATION

Languages: Java, Python, HTML5,6, CSS, JavaScript (ES6+), C, C++, Bash, MongoDB, GraphQL, JSON, XML, MySQL, R.

Tools: Git, GitHub, Jira, VScode, PyCharm, Eclipse, IntelliJ, Slack, MySQL, UML, Adobe Suites, Adobe XD, Figma, Prismic.

Frameworks/Libraries: NodeJS, ReactJS, VueJS, Redux, VueX, jQuery, Bootstrap, Vuetify, Styled Components, GatsbyJS, NextJS, NuxtJS, ExoressJS, Selenium, Pytest, SciPy, NumPy, Pandas.

PROFESSIONAL EXPERIENCE

GDSC (Google Developer Student Club)   **Jan 2022– April 2022**
Stack Developer
- Designed and developed user websites using React, Node JS, Express and Mongo DB. Provided up-to-date modern website designs with dark mode functionality.
- Creating and maintaining of API test framework using Python/Pytest.
- Supporting UI automation in Java/ Python/ Selenium.
- Worked in an agile team setting and saw the project from conception to finished product.
- Using data modelling and analysis to inform and illustrate solutions.
- Liaising with clients and other staff members to project parameters and maintaining expert knowledge of technology solutions
- Provided various technical and software support to students with the developed product.
- Being the first point of contact and providing advice for the duration of the project to clients and staff members
- Used a JWT-based authentication system for user accounts.
- Completed multiple iterations and redesigned the entire site structure, navigation, and interactivity using Figma to accomplish website objectives.
- Established standard code development and migration process within development, staging, and production environments for a consistent methodology.
- Set communication guidelines for sprint meetings to ensure code quality by seeking mentoring from senior developers
- Designed, developed, and implemented core features including a custom booking system, and an admin panel.
- Designed and developed APIs while meeting both technical and consumer needs.
- Created CRC cards, schedules, system design, UML classes, GitHub readme, Jira backlog, and burndown charts for each sprint.
- Started sprints by updating product backlog and criteria of satisfaction for each task.
- Ended sprints by updating our system design, UML classes, and GitHub readme.

City of Mississauga   **Sept 2021– Feb 2022**
GIS Analyst
- Worked closely with city mentors and team members to meet project goals, requirements, and desired timelines using Waterfall & Agile Methodology.
- Created and maintained test strategies for manual and automation testing.
- Data manipulation and advanced mapping automation using model builder through python code (ArcPy).
- Used statistics, open-source data, and research to discover patterns and trends with the help of spatial mapping software to create a finalized recommended location that met the criteria for the city.
- Responsible for maintaining and testing web functionality. Updated code content, and fixed bugs from support tickets via Microsoft Teams.
- Ensured to be available at all times of the day to support staff and clients with technical support and software help.
- Designed databases, supported colleagues using GIS, and integrated GIS with other technology. Also created well-written reports on their findings.

PROJECTS

Embedded Systems Projects   **Sept 2017– Current**
- Custom-built Raspberry Pi web server able to connect remotely from anywhere using SSH (PHP, Apache2, MySQL)
- Built a WiFi remote Raspberry Pi-based Remote-Controlled Car hard coded with python with PTZ camera functionality.
- Custom-built RetroPie gaming setup emulator with a built-in projector to game 10000+ retro titles from anywhere
- Built a cellular-powered backup Internet connection in case of ISP shortages or power outages, network security monitoring, local processing and storage for all servers and security devices.
- Able to repair modify and fly various types of drones for the purposes of data collection.

Feel free to view the extended resume on my website