

MONARK BASAK

Software Engineering Student

CONTACT INFORMATION

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TECHNICAL SKILLS

Languages: C, Java, Perl, R, Python, HTML, JavaScript, and CSS.

Operating Systems: Windows 7/8/10, Linux (Ubuntu) and macOS.

Task Management Tools: Trello and Git/GitHub/GitLab.

Development

methodologies: Agile/SCRUM and Pair-programming.

EDUCATION

Bachelor of Computing in Software Engineering (Honours), 2024

UNIVERSITY OF GUELPH

Academic Projects

SVG Image Editor

(C/JS/jQuery/Node.js/AJAX) - 2020

- Utilized C to create an XML parser that can manipulate, validate, create and write SVG images.
- Utilized JavaScript, jQuery, AJAX and Node.js to create a dynamic web application that helped interface with the C SVG parser.

Dungeons and Dragons Generator (Java) - 2019

- Utilized OOP principles to implement a clear modular structure for programs.
- Created JUnit tests to perform unit tests on project code.
- Implemented a graph algorithm to connect chambers to each other.
- Utilized Git/Gitlab for version control allowing for tracking changes in code.

CSV Search Engine (Perl/R) - 2019

- Parsed large CSV files using Perl to obtain and analyze key data points.
- Implemented regex comparisons to search through metatags in order to retrieve important data from files.
- Implemented R script to use the data compiled from parsed CSV file and display a visual graph of relevant values.
- Collaborated in a small group with colleagues to work on project using Trello.

EXTRACURRICULARS

- Google Cloud Jam - Learning Kubernetes

PERSONAL PROJECTS

Amazon Price Tracker (Python) - 2020

- Utilized libraries such as BeautifulSoup to parse Amazon's product page and locate its price.
- Implemented SMTP protocols to ensure an email notification is sent when conditions are met.

WORK HISTORY

Sales Associate

SEARS CANADA INC. 2017 TO 2018

- Collaborated with managers and team members to achieve the company's sales targets.
- Engaged customers in order to provide to them what they need in terms of product and quality services by demonstrating technical selling skills and product knowledge.