

BRAEDAN CHAPPEL

SKILLS

Languages: C, C#, Java, Python, HTML, JavaScript, CSS, 68K Assembly
Tools: Visual Studio, VScode, GCC, GDB, Gradle, GitLab/Hub, .NET Framework, Docker,
Professional Skills: Agile, strong problem-solving skills, strong communication, strong work ethic

PERSONAL PROJECTS

Mancala Game (Nov. – Dec. 2023)

Formulated a GUI rendition of the 'mancala' board game in Java, architected around object-oriented principles of abstraction, serialization, and interfacing.

Hapax Legomena (Sept. 2023)

Constructed a C-based utility employing data structures, notably linked lists, to identify the 'Hapax Legomena' within a specified text file input.

Employee Management System (Dec. 2023)

Engineered an adaptive personnel administration module in C, incorporating data structures like linked lists, and leveraging dynamic memory allocation for efficient storage, retrieval, and purging of data entries.

WORK EXPERIENCE

Junior Software Engineer, NovaTox Inc. - Guelph, Ontario

April 2023 – September 2023

Formulated diverse Java routines and algorithms for precise modeling of equations pertinent to trench vapor attenuation. Engaged and cooperated with relevant stakeholders, employing agile methodologies for feedback acquisition and requirement gathering.

EDUCATION

Bachelor of Computing, Software Engineering (co-op), minoring in Project Management

University of Guelph, Guelph, Ontario (Sept. 2022 – present)

ACADEMIC CONTRIBUTIONS

Geographic Names (Jan. – Apr. 2023)

Collaboratively engineered, within a quartet, a Python solution leveraging the Namsor library for trend analysis of nomenclatures and tracing their geographic roots.

OpenHasher (Oct. – Dec. 2023)

Employed C to construct a software with a custom hashing algorithm for large scale data storage, illustrating of the advantages and compromises of associative arrays and diverse hashing algorithms.

EXTRA-CURRICULAR

Bishop Macdonell ICS Hackathon (May 2021)

Finished 1st place in a Windows 7 hackathon challenge.

OTHER

References Available on request, see personal website for additional information.

