Nick Cheney

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EDUCATION

Bachelor of Computing (Honours)   Sept. 2017 – Present
Queen's University   Kingston, ON
- *GPA*: 3.9/4.3
- *Specialization in Biomedical Computing*
- *Dean's Honour List*: 2018-2020
- *Relevant Coursework*: Data Structures, Algorithms, System-Level Programming, Computer Architecture, Linear Data Analytics, Fundamentals of Software Development, Artificial Intelligence, Database Management Systems

EXPERIENCE

Devops Engineering Intern, Health Canada   May. 2021 – Present
- Automated ETL procedures on external data sources for an Azure VM application using Selenium and Python
- Engineered POC demos for automating document workflows and data visualization on the MS Power Platform
- Documented technical projects on internal wiki pages for cross-departmental reference

Genomics Research Assistant, Queen's Genomics Lab at Ongwanada   May 2020 – Sept. 2020
- Developed bioinformatics data pipelines in a Linux environment
- Used "in silico" tools to identify novel mutations in genetic samples
- Composed scripts in bash and python to sort and classify identified mutations
- Analyzed and graphed results using Matplotlib

PROJECTS

Diabetes Disease Progression Forecasting | *Python, TensorFlow, pandas, scikit-learn*   Sept. 2020 – Apr. 2021
- Within a team, developed an AI-based algorithm to predict risk scores for diabetes patients
- Contributed to cleansing and preprocessing of EHR patient data for model input
- Developed and testing LSTM and GRU RNN deep learning models for risk prediction

Super Smash Gaels | *C++, Qt, Git*   Sept. 2020 – Dec. 2020
- Developed a two-player fighting-style game in Qt Creator with a small Agile team
- Managed project workflow using the SCRUM technique in Jira, using sprints and issues to track progress
- Shared and integrated project code using Bitbucket in order to maintain version control
- Documented all team decisions and communicated through Confluence and other CASE tools

Animal Rescue Information System | *MySQL, Apache, PHP, HTML, CSS*   Jan. 2020 – Apr. 2020
- Created a relational database for an animal rescue system in MariaDB using XAMPP
- Produced an associated front-end website using HTML/CSS via Apache HTTP Server
- Implemented queries using PHP data objects to allow website users to access database information

EXTRACURRICULAR ACTIVITIES

Head Coach/Athlete, Queen's Nordic Skiing Varsity Club   Sept. 2017 – Present
- As an athlete, competed for the ski team for 3 years at the provincial and national level
- As a coach, designed and led COVID-19 safe team practices to allow for continual training during the pandemic
- Contributed to athlete well-being by organizing and hosting virtual social events

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (MySQL), HTML/CSS, PHP, R, Bash, MATLAB, Haskell, SWI-Prolog
Developer Tools: Git, VS Code, Visual Studio, IDLE, Eclipse, Qt Creator, Jupyter Notebook, phpMyAdmin
Libraries/Frameworks: pandas, NumPy, Matplotlib, TensorFlow, scikit-learn, Selenium, Qt