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## Technical Skills

**Languages:** C++, C, Python, Java, JavaScript, R, HTML/CSS, Racket, ARM Assembly, SQL

**Tools/Environment:** Excel, Unix/Linux, Git/GitHub, VS Code, Jenkins, IntelliJ, RStudio, Jupyter Notebook, Node.js, Okta

**Frameworks/Libraries:** React, JUnit5, Unittest, Valgrind, Java Swing, Matplotlib, ChartJS, Vite, Ansible, Docker

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## Technical Experience

**Data Analyst Intern** | Python, Web scraping, REST API

July - Sept 2022

*Coca Cola Company*

- Increased customer engagement by **55%** by scraping data from the web using Python BeautifulSoup and Google Search API to identify underrepresented audiences
- Consolidated marketing data by normalising **130,000+ data points** to reduce redundancies and minimise entry errors
- Elevated intra-organization communication by **debriefing** executives about the project via a slide-show presentation

**Full-stack Developer** | React, PHP, Oracle DBMS, SQL, Data Normalization

Sept 2023 - Present

*Musicultured*

- Engineered a dynamic front-end interface using React and CSS, enabling users to interact with playlist, songs and friends
- Enabled full-stack performance by pairing **PHP** and **Oracle SQL** database on **API** endpoints, ensuring efficient data retrieval
- Facilitated team collaboration and **CI** by implementing robust version control with **Git** in a 4-member team

**Game Developer** | Java, JSON, JUnit5, OOP

Oct - Dec 2022

*WizardsVsZombies*

- Reduced **coupling** and increased **cohesion** via utilization of **UML diagrams**, **inheritance** and design patterns such as **Singleton**, **Observer** and **Iterator**
- Implemented 6 user-stories through the **agile scrum development methodology** consisting of 5 two-week sprints
- Ensured test-driven development by deploying **unit and integration testing** across all methods and modules using **JUnit 5**

**Python Developer** | Python, Data Visualization, Matplotlib, Unittest

Mar 2023

*Music Data Visualizer*

- Successfully plotted how average popularity of songs given proposed tempos changed throughout time via exploitation of **sorting** and **filtration algorithms**
  - Effectively **parsed CSV file** with 8,000+ data points into mutable list of song objects, accounting for null field values
  - Applied **unit and integration testing** across visualizer functionalities within various cases via python testing framework **unittest**
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## Other Experiences

**President/Founder**, AMS Volleyball Club at UBC | Vancouver, Canada

Dec 2021 - Present

- Garnered **150+ paid members** within one year of operation by utilizing promotional resources, social media and networks
  - Established a **structured organization** by recruiting prospective internal members and discussing organizational logistics
  - Hosted paid and unpaid events for **100+ members/non-members** by collaborating with internal and external stakeholders
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## Education & Achievement

**University of British Columbia**

Sept 2021 - May 2025

*Bachelors of Computer Science and Business*

**Awards:** International Entrance Scholarship and Outstanding International Student Award (\$100,000)

**Key Courses:** Data Structures and Algorithms, Software Construction, Relational Databases, Financial Modeling and Excel