THOMAS HANKINS

(647) 878-7849 | hankinst@mcmaster.ca | thomashankins.com

EDUCATION

Hon. BA Sc. Computer Science   September 2021 – April 2023
McMaster University

Hon. Bachelor Commerce (with distinction)   September 2017 – April 2021
DeGroote School of Business
- Minor in Mathematics and Economics

RELEVANT SKILLS

- Java, C/C++, JavaScript, Python, Dart, Go, Visual Basic
- React, FastAPI, Flutter, .NET
- AWS S3, EC2, RDS
- Azure Functions, Data Studio, SQL Database
- Test-Frameworks: Pytest, Mocha
- PostgreSQL, T-SQL Redis
- REST API development
- Agile methodologies
- Docker
- Git, GitHub Actions

PROJECTS

Clientdek (Team Capstone Project)
- Developing a web-based Customer Relationship Management service for service businesses using JavaScript and Python, featuring client scheduling, journal entries, administrative tools, and a fully accessible API for third-party integrations.
- Building the system using React, FastAPI, PostgreSQL, Redis, Amazon S3, and SendGrid, with efficient communication between front-end and back-end components using REST APIs.
- Employing Pytest and Mocha for unit testing
- Utilizing GitHub Actions to build and deploy Docker containers for seamless application and integration testing and deployment.
- Continuously learning new technologies and frameworks to improve the application's competitiveness.

Fit-App
- Developed a fitness tracking app using Dart and Flutter, allowing users to design workout plans and save workout data such as sets, reps, and weight.
- Conducted user testing with friends to gather feedback and improve the front-end UI design.
- Implemented ObjectBox for data storage and managed version control using Git to maintain consistency across development environments.
- Prioritized core features and improvements over onerous requirements gathered during user feedback testing.

Extreme Bowling
- Developed a 3D bowling game in C++ using OpenGL, where players navigate a bowling ball through obstacle courses and collect pins across multiple levels.
- Collaborated with teammates to divide responsibilities and meet project deliverables through regular meetings.
- Worked with OpenGL limitations due to project requirements, optimizing performance by reducing the number of vertices and texture quality.
- Completed the project with a high grade, gaining a solid understanding of graphics programming.

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WORK EXPERIENCE

Systems Consultant   September 2022 – Present
HearingLife Canada, *Toronto, ON*
- Developed PowerApps applications for various use cases, such as clinic management and financing request submissions.
- Implemented ETL processes using Azure Data Studio and Python to centralize data from multiple services including REST APIs.
- Collaborated with stakeholders through regular meetings and addressed tickets related to bugs and concerns.

Data & Systems Intern   May 2022 – August 2022
HearingLife Canada, *Toronto, ON*
- Collected data from disjoint services, such as call management, online orders, employee information, and customer management systems, to create a single source of truth.
- Managed T-SQL database schema and consulted course notes on best practices, such as normalization, while working with data cubes.
- Developed API endpoints using Azure Functions and Python's threading library to optimize performance.
- Introduced application lifecycle management practices, such as GitHub, for better project organization.

Operations Finance Intern   May 2019 – August 2019
Dream Unlimited, *Toronto, ON*
- Designed using Visual Basic in Excel operational reporting models that drew from data collected with Power Query and SQL, reducing time needed to prepare data for quarterly reporting.
- Analyzed operational reporting data to build variance analysis for senior management and provided timely responses to queries.

Corporate Accounting Intern   May 2018 – August 2018
First Capital Realty, *Toronto, ON*
- Strengthened the Corporate Accounting department by completing tasks including bank reconciliations, journal entries, developing monthly financial reports, and cash application entries using JD Edwards.
- Created and presented, in a group, a real estate development plan for executive review for use in project planning, prompting positive feedback from executive management.