

JAMES COTE

Software Developer

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📍 Toronto, ON, Canada

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WORK EXPERIENCE

Software Developer Co-op

CaseWare International Inc.

📅 Jan 2019 – Aug 2019

📍 Toronto, ON, Canada

- Implemented back-end functionality in Java for enterprise-level cloud software, improving business workflow for auditors and accountants.
- Produced functionality to add, update, and retrieve client files from AWS S3, ensuring secure file handling.
- Wrote automated tests using JUnit and Mockito to manage expected and unexpected behaviour of implemented functionality.

Automation Developer Co-op

Symcor Inc.

📅 May 2018 – Aug 2018

📍 Mississauga, ON, Canada

- Automated business processes involving legacy systems using Ansible, Python, and shell scripting.
- Documented step-by-step procedures of business processes to be automated in the form of Standard Operating Procedures (SOPs).
- Influenced company-wide adoption of robotic process automation (RPA) by designing insightful reporting for business process improvement.

Web Application Developer Co-op

Kenna

📅 Sept 2017 – Dec 2017

📍 Mississauga, ON, Canada

- Developed front-end and back-end features for 3 client projects using HTML, CSS, JavaScript, jQuery, and IBM Notes/Domino.
- Wrote optimized SQL queries using Microsoft SQL Server to transform data models involving large sets of data.
- Collaborated with QA to fix visual bugs and data discrepancies on time during busy client periods.

Data Developer Co-op

Symcor Inc.

📅 May 2017 – Sept 2017

📍 Mississauga, ON, Canada

- Implemented a data warehouse using PostgreSQL for enterprise risk management.
- Performed data linkage between numerous databases and data sources using database normalization techniques.
- Developed and automated ETL routines using Python, Java, and shell scripting.

OPEN SOURCE CONTRIBUTIONS

Course2iCal

Web-based course calendar exporting tool

🌐 <https://jhvisser.com/course/>

- Co-maintainer of project used by many University of Guelph students every semester to export course schedules to digital calendars.
- Resolved issues with iCal export quickly during semester planning period with positive feedback from students.

TECHNICAL SKILLS

Languages: JavaScript, Typescript, Java, Go, Python, C

Web Development: Node.js, Express, React, HTML, CSS

Databases: PostgreSQL, MongoDB, Redis

Test Frameworks: Mocha, JUnit, Mockito

EDUCATION

B.Comp. (Honours) in
Computer Science (3.71 GPA)

University of Guelph

📅 Sept 2015 – June 2020

📍 Guelph, ON, Canada

Advanced Diploma in
Game Programming

Humber College

📅 Sept 2012 – June 2015

📍 Toronto, ON, Canada

PROJECTS

gyroid

Command-line Pocket client written in Go

🌐 <https://github.com/Coteh/gyroid>

- Established connection to Pocket API with OAuth to collect and update users' saved articles.
- Wrote unit tests to achieve 77% test coverage.

simpleimage

Image-sharing web application written with Node.js and Express

🌐 <https://simpleimage.herokuapp.com>

- Handled logic for uploading images into a MongoDB database.
- Stripped EXIF metadata from uploaded images to protect users' privacy.

mcu-rewatch

Marvel Cinematic Universe tracker made with Vue.js

🌐 <https://mcu-rewatch.netlify.app>

- Added configurability of movie ordering to suit users' viewing preferences.
- Wrote a deployment pipeline to automatically download movie posters from IMDb.