

Benjamin Kostiuik

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Education

B.A.Sc. Honors, Computer Science

Sep. 2018 - Apr. 2023

McMaster University

- CGPA: 4.0/4.0
- Dean & Provost's Honor Roll
- Related courses: Data Structures & Algorithms, Principles of Programming, Discrete Mathematics
- Teaching Assistant for CS 2FA3 Discrete Mathematics, CS 2C03 Data Structures & Algorithms

Experience

Affirm

May – Aug. 2022

Software Engineering Intern | Python, Spark, React, Kubernetes, AWS

Remote

- Developed a self-service system with Python and React to automate rotation of keys used for transmission of documents to investors, reducing the time required from half a day to minutes.
- Migrated data pipelines developed in Python running locally to Spark on Kubernetes resulting in a 2x speedup from gains in parallelization and data processing.
- Enriched the testing and performance of Affirm's financial funding pipelines developed with Python.

Coveo

May – Aug. 2021

Software Engineering Intern | C#, React, Golang, Node.js, MongoDB

Montreal, QC

- Reduced time required for stress testing and client demo development of Coveo's Slack integration by 10x by developing an impersonation tool for automating QA actions with Express.js & MongoDB.
- Empowered client partners by designing and developing a CLI tool with Node.js to automate deployments of custom code to the Coveo platform.
- Improved the performance of cloud search and crawlers developed in React, C# and Go.

Royal Bank of Canada

May – Dec. 2020

Software Developer Intern | Java, Spring-boot, Angular, Python, SQL

Toronto, ON

- Automated internal reporting processes taking days to run in minutes by developing a full-stack web application with Angular and Spring-boot used by over 30 employees.
- Supported critical systems used to create & track offer deployments sent to 16+ million customers.

Skills

Languages: Java, Python, JavaScript, TypeScript, HTML & CSS, C#, C, Haskell, Bash

Tools/Technologies: Node.js, React, Angular, Spring-boot, Docker, MongoDB, Git, SQL, Azure, Spark

Projects

🔗 **Puff** | Java, Spring-boot, Docker, Azure

- Open-source platform empowering students to collaboratively write and run tests for assignment code.
- Designed with a Spring-boot microservice architecture and Keycloak authentication.
- Hosted on Microsoft Azure leveraging GitHub Actions & Docker for CI/CD pipelines.

Leadership & Extracurriculars

McMaster Computer Science Society

2020 - 2021

Director of Academics

- Organized and oversaw academic events to support over 400 computer science students in their studies throughout the year.