

Chris Maltais

UNDERGRADUATE STUDENT · SOFTWARE ENGINEER

Ottawa, Ontario, Canada

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Education

Queen's University

B.S. IN COMPUTER ENGINEERING SPECIALIZING IN SOFTWARE ENGINEERING

Kingston, ON, CA

Sept. 2014 - Dec. 2019

Nanyang Technological University

INTERNATIONAL EXCHANGE PROGRAM

Singapore

Aug 2017 - Dec 2017

- Ranked #1 Engineering school in Asia and #20 globally for Computer Science by QS University Rankings

Experience

Shopify

SOFTWARE DEVELOPMENT INTERN

Ottawa, ON, CA

May 2019 - Aug 2019

- Developed and launched Multi-Location Delivery Profiles to enable shipping rate customization by location and profile
- Created and optimized back-end business logic and GraphQL API in Ruby
- Identified KPIs, implemented instrumentation, and created Datadog dashboard to quantify real-time interactions with the product resulting in better understanding of merchant decisions with respect to shipping rate customization

Shared Services Canada

SOFTWARE DEVELOPMENT INTERN

Ottawa, ON, CA

May 2018 - Aug 2018

- Built Microsoft Project optimization tools to eliminate need of weekly manual reporting, saving >\$45,000 annually in employee costs
- Developed batch & shell scripts to automate installation/configuration of tools, reducing time to install macros from 20 mins to 15 secs
- Created CLI to increase adoption of reporting tools, becoming second highest starred project within internal Git repositories
- Designed BI tool using logged defect data from testing (SIT/UAT) to identify a new business KPI, resulting in new insight about efficiency of vendors

Procter & Gamble

PRODUCT MANAGEMENT INTERN

Toronto, ON, CA

May 2016 - April 2017

- Cut 1.5% of total expenditure costs for trade promotions through the development of an application for company analysts
- Facilitated SIT and UAT development phases for multiple projects with <1% open defects transitioning between phases
- Created opportunities for employee development by organizing company workshops and conferences, focusing on innovation and entrepreneurship

Projects

MusiCrowd (<https://www.musiccrowd.ca>)

TOOLS: NODE.JS, EXPRESS.JS, MONGODB, REACT.JS, SPOTIFY API, HEROKU, GIT

Hackathon (First place)

Feb 2019

- Interactive democratic music streaming service that allows individuals to vote on what songs they want to play next
- Built back-end of application using Node.js/Express.js/MongoDB to connect with Spotify API
- Implemented custom queue that updates votes associated with a song, stored in persistent MongoDB database

E-commerce Back-end

TOOLS: NODE.JS, JEST, DOCKER, CIRCLECI, MONGODB, EXPRESS.JS

Personal

Jan 2019

- Built RESTful API that performed CRUD operations for a fake e-commerce site
- Created a testing environment, which included an in-memory MongoDB database, that ran a suite of unit tests using Jest with 92% code coverage
- Added continuous integration to repository, ensuring unit tests are run and passed before pull requests are merged
- Applied token-based authentication with JWTs to secure API routes
- Containerized application with Docker, configured application and MongoDB images to be run using Docker Compose

Skills

Frameworks Node.js, Ruby On Rails, Jest, Bootstrap 4, Bulma

Programming Proficient in Ruby. Project Experience with Javascript, Python, Java, Bash, SQL, HTML, CSS

Technologies Git, Unix, MySQL, Docker, CircleCI, MongoDB, Heroku, Eclipse, Google App Engine, Microsoft Azure, ZEIT Now