Chris **Maltais**

UNDERGRADUATE STUDENT · SOFTWARE ENGINEER

Ottawa, Ontario, Canada

☐ (+1) 613-204-0531 | ✉ contact@chrismaltais.com | ☐ chrismaltais | ☐ chrismaltais

Education

Queen's University   *Kingston, ON, CA*

B.S. IN COMPUTER ENGINEERING SPECIALIZING IN SOFTWARE ENGINEERING   *Sept. 2014 - Dec. 2019*

Nanyang Technological University   *Singapore*

INTERNATIONAL EXCHANGE PROGRAM   *Aug 2017 - Dec 2017*

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

Experience

Shared Services Canada   *Ottawa, ON, CA*

SOFTWARE DEVELOPMENT INTERN   *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   *Toronto, ON, CA*

PRODUCT MANAGEMENT INTERN   *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
- Led daily stand-up meetings with upper management and development team
- Created opportunities for employee development by organizing company workshops and conferences, focusing on innovation and entrepreneurship
- Sought out external events for employees to participate in to establish links between P&G and the greater Toronto tech community

Projects

MusiCrowd (https://www.musicrowd.ca)   *Hackathon (First place)*

TOOLS: NODE.JS, EXPRESS.JS, MONGODB, REACT.JS, SPOTIFY API, HEROKU, GIT   *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.j/MongoDB to connect with Spotify API
- Implemented custom queue that updates votes associated with a song, stored in persistent MongoDB database
- Configured NPM scripts to deploy Node.js back-end and React front-end to production with Heroku

E-commerce Back-end   *Personal*

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

InstaPy (https://github.com/timgrossmann/InstaPy)   *Open Source Contribution*

TOOLS: PYTHON, CHROMEDRIVER, SELENIUM   *Nov 2017*

- Developed feature to run Instagram Bot on a headless version of Chrome, allowing GUI-less Selenium browser automation to be done via a server

Skills

Frameworks	Node.js, Ruby On Rails, Jest, Bootstrap 4, GatsbyJS, Bulma
Programming	Proficient in Java & VBA. Project Experience with Javascript, Ruby, Python, Bash, SQL, HTML, CSS
Technologies	Git, Unix, Docker, CircleCI, MongoDB, Heroku, Eclipse, Google App Engine, Microsoft Azure, ZEIT Now
Leadership	PMO Certified (CAPM), Agile Methodology, Critical Chain Project Management, PMBOK, HackPrinceton "Best Teamwork" Hack