Benoît JEAUROND

4th year **Software Engineering** bilingual COOP student

jeaurond.dev 🌐
@BenJeau
@benoit-jeaurond 💼
benoit@jeaurond.dev ✉

🏛 EDUCATION

Bachelor of Applied Science, Software Engineering | University of Ottawa   CGPA: **9.42**
2017 – 2022

— Earned the **Chancellor's Scholarship**, Dean's Excellence, and Award Nortel Founding Scholarship for the SITE
— Member of uOttawa's Robobat Team for **3 years**, was the **team and software lead** leading meetings, organizing tasks, following up with members, and working on my assigned tasks. Also, worked on image detection of buoys
— Organized and volunteered at the **CANDEV data challenge** for Statistics Canada
— Attended two uOttaHack **Hackathons**, creating a mobile game with OpenGL and mobile hospital kiosk applications using Firebase

💼 EXPERIENCE

Software Developer | Innovation, Science and Economic Development Canada
SUMMER & FALL 2020

— Developed features for a work social media platform in **React** with an **express.js** backend
— Implemented **Jest** testing, **SwaggerUI** documentation, and multilingual database structure for the backend
— Improved **stability** and **performance** of the overall application by cleaning up the whole codebase
— Created **Github Actions** and **Openshift/Kubernetes** templates for server deployments alongside Jenkins integration

Software Developer | Ario Platform
FALL 2019

— Developed features for the platform in **Ruby on Rails** and **Angular** using **Test Driven Development**
— Improved **performance** and **security** of file downloads and uploads of the platform
— Worked on a **encrypted** file transfer and database attributes in Ruby and Ruby on Rails respectively
— Created **background jobs** to make **asynchronous** processes, that were previously synchronous

Software Developer | Innovation, Science and Economic Development Canada
WINTER 2019

— Developed a **React Native** application to ease the time management for students
— Integrated **Google Calendar** as our calendar/events database and used it to compare schedules
— Added **Firebase** to send notifications between users and to collect information about the users
— Created and implemented the design for the application in **Adobe XD**
— Integrated the CI/CD for our application with **CircleCI** (building, testing, linting, and deployment)

Junior Officer for Community Enablement | Treasury Board of Canada Secretariat
SUMMER 2018

— Extracted data from online databases with **JavaScript injections** and **Python automation**
— Created Excel spreadsheets from injections' data (JSON databases) with Python
— Created executive profiles from the Excel database with VBA macros
— Linked the NOC 2016 codes with the O*NET-SOC 2010 codes with VBA in Excel

</> PROJECTS

— Built a real-time drawing game, similar to Jackbox, with a **Rust** backend, a **React Native** frontend, and a **Unity** game
— Programmed a **network monitoring system** using a Raspberry Pi and a **GraphQL** server deployed in a DigitalOcean droplet interfacing a React Native client with **Apollo** managing GraphQL calls and **redux** for the state
— Created a personal website in **React** which populates its content from the GitHub API with **Gatsby.js**
— Developed multiple **JavaFX games**, such as Tetris, Sudoku, Poker, TicTacToe, and Snake