

Aethelind Racic

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Hard working, creative, and passionate Computer Science student seeking opportunities to join a vibrant team and deliver software solutions to the front and backend.

EDUCATION

University of Ottawa | September 2015 – December 2019

Honours B.Sc. with Specialization in Computer Science, Data Science Option.

Excellence scholarship (85%+ Entrance average)

SKILLS

- Exceptional written and verbal communication skills in English. Intermediate skills in French.
- Experience working with office suites, including Microsoft Office and Google Drive.
- Capable of working well both independently and within a team.
- Able to communicate complex technical problems in plain language.
- Strong research, problem solving, and analytical skills.

Technical

- 4+ years experience in Java and object-oriented programming; proficient in Python, C++, and SQL.
- Experience with version control in Git, continuous integration, TDD unit testing, UML notation, user interface design (prototyping, user-centred design), web and mobile development (Javascript, HTML5/CSS, jQuery), REST API and OData.
- Formal study of fundamental relational database concepts and query optimization using PostgreSQL, algorithm design and analysis, and data communication and networking, including TCP/IP layers.
- Familiar with Go, C, PyCrypto, Racket, Angular JS, GIMP, modelling and simulations.
- A keen interest in learning new languages, concepts, and paradigms.

PROJECT EXPERIENCE

Shuttle Bus Tracking System @ University of Ottawa | January 2019 - May 2019

- Full stack developer: designed a system to help hundreds of daily commuters plan their trips by tracking the current location of the University of Ottawa's campus shuttle busses using real-time GPS data, and displaying live bus arrival times.
- Developed an application stack consisting of two cross-platform mobile applications linked to Google Maps' API; an interactive front-end displaying the current shuttle location and live arrival estimates; and a NoSQL, Cloud database hosted on Firebase.
- Used Ionic Framework combined with JavaScript, SCSS, TypeScript, and Angular JS to create a smooth and intuitive UI.

- Defined system and user requirements by communicating with stakeholders and conducting user surveys.
- Lowered costs by optimizing mandatory calls to Google Maps API, reducing total API calls by 80%.
- Embraced new approaches to mobile development and acquired new skill sets in order to develop and maintain the system within the project's budget and deadlines.
- Ensured security, usability, and scalability of the system through prototyping, continuous integration, and performance monitoring.
- Participated in weekly Scrums with project supervisor to ensure a consistent development pace.

WORK EXPERIENCE

CAO Analyst @ Loblaws | May 2017 - December 2017

- Supervised proper movement of stock between distribution centres, backroom, and sales floor.
- Unloaded trucks and transported merchandise pallets to sales floor.
- Processed purchase orders, inspected shipments for damage or discrepancies, and produced manifests for vendors.
- Maintained accurate inventory records with daily audits.
- Ensured accuracy and visibility of all sales signage, and staged merchandise for guests.
- Organized and cleaned backroom according to strict health and safety guidelines.

Photo Centre and Electronics Sales Associate @ Walmart | May 2016 - August 2016

- Operated point of sale cash register, and assisted in cash training new associates.
- Regularly replenished all photo centre printers and equipment.
- Set up and maintained merchandise displays.
- Prioritized customer satisfaction, going above and beyond to assist all customers.

Receptionist @ Geosoft Inc. | August 2015

- Welcomed clients in person and on the phone, answered and directed inquiries to designated department.
- Received payment information and prepared invoices.
- Collected and sorted incoming and outgoing mail, and delivered packages to appropriate inboxes.

ACTIVITIES AND INTERESTS

- **President** | EngiQueering @ University of Ottawa. Organized events and managed club activities.
- **Volunteer** | Jump Theatre Leadership Program @ Humber College. Mentored youths to develop performance and production skills.
- **Member** | Engineers Without Borders @ University of Toronto. Worked on a team to critically analyze current events related to international development.
- **Interests** | Hiking, Journaling, Geology, Web Development, Theatre and Improv.