


Anthony Lau

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Website: anthonylau.me

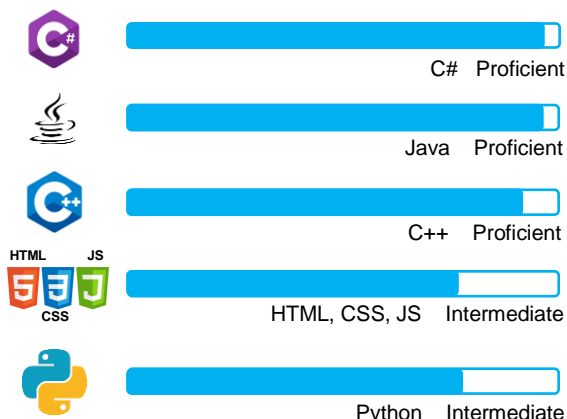
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Skills



Awards and Distinctions

- **Genesys Hackathon** - 2nd place
Implemented a **chatbot** that analyses input and helps with **debugging** code, with additional functionality such as **Jira** ticket linking.
- **President's Scholarship** - \$2000
Awarded for over 90% admission average.
- **Nortel Networks Undergraduate Scholarship** - \$3500
Awarded for outstanding academic performance and extracurricular activities involvement.
- **Duke of Edinburgh Silver Award**
A year long program focused on community improvement and personal growth.

Extracurricular

- **DECA** - competed at the provincial level
- **Relay for Life** - helped raised over \$100K
- **RCM** - Piano level 8 1st class honours

Interests

- **Outdoor sports** - skiing and biking
- **Reading** - fantasy and history
- **Community involvement and service**
400+ hours

Experience

Full Stack Developer • Genesys • 2019

- Implemented **microservices** in the **.NET** core using **Restful APIs**.
- Developed **Prometheus** prototype to monitor health and usage of Genesys Voice Platform running in **Docker** containers deployed on **Amazon ECS**.
- Aided in the design and development of a fully automated CI/CD pipeline that deploys to AWS.

Operations Executive • Robotics Club • 2017-18

- Organized and coordinated the club's 80+ members to compete in the VEX Robotics competition.
- Served as club representative for sponsorships, acquiring over \$10K.

Projects

Bump • Hack the Valley (U of T) 1st place

- A "smart-braille" IoT project that empowers the visually impaired by using solenoids to display braille.
- Used Google's **Cloud Vision** API for object detection to describe surroundings in braille.
- Used **Twilio** and **HTML parser** to read texts and webpages in braille.

BreadCrumbz UOttawa Hacks 4th place

- Designed a **web app** that makes volunteering convenient and rewarding
- Created a web service using **Node.js** and **Express** for the backend while **MDBootstrap** was used for the UI.
- **Google Maps APIs** were used for calculating the most optimal route and **Twilio's API** was used for delivery verification.

Particles Collision Personal Project

- Created an application that efficiently simulates the motion of balls in a closed 2-D container.
- Implemented an event driven **priority queue** using a **binary heap** in **C#** using **.NET framework**.
- Designed **graphics** using **Windows Forms**.

Website Personal Project • anthonylau.me

- Designed and created a personal website using **HTML5**, **MDBootstrap**, **CSS3**, **JavaScript**.
- Implemented **responsive** web design – display format changes depending on screen size.

Casinorama Final Design Project

- Designed and created a virtual casino, consisting of Poker, Roulette, and Blackjack in **Java**.
- Used **object-oriented** programming to organize code and design **data structures**.
- Designed graphics using **JavaFX** framework.