

Youssef Chouay

Software Engineering Student

As a passionate and highly motivated Software Engineering student, I am committed to pursuing a career in the dynamic and ever-evolving technology field. With a strong interest in the endless possibilities of technology, I am dedicated to applying my skills and knowledge to create innovative solutions that address real-world challenges.

CONTACT ME AT

 youssefchouay.com

 ychou031@uottawa.ca

 +1 (343) 463-1875

 [/in/youssef-chouay/](https://www.linkedin.com/in/youssef-chouay/)

 [Youssef2430](https://github.com/Youssef2430)

SKILLS

Java, Python, Javascript, Typescript, PHP, C#, SQL, MySQL, PostgreSQL, Firebase, MongoDB, Linux, MacOS, Windows, Figma, Agile, Jira, Git, Cloud Technologies, Swift, Kotlin.
Problem-Solving, Efficient communication, Teamwork, Time Management, Adaptability, Critical thinking

ACHIEVEMENTS

- 3x Basketball regional Champion
- Black belt in Tae-Kwon-Do
- Semi-finalist in math olympiades
- Best delegate in a Model United Nations

EXPERIENCE

• Automation Framework Developer

WindRiver Systems

(September 2022 - December 2022 / May 2023- Present)

- Spearheaded the development and continuous improvement of a robust automation framework to support the testing and validation of critical applications.
- Leveraged Django and Angular to enhance a user-friendly dashboard used by 70+ employees, significantly improving productivity and user experience.
- Designed and implemented Python-based APIs, resulting in a remarkable 80% optimization in response time and overall application efficiency.
- Streamlined the software development lifecycle by creating automated tests, reducing design and test cycles and increasing product reliability.
- Actively engaged with cutting-edge, high-performance cloud technologies, staying at the forefront of technological advancements in the industry.
- Innovated end-to-end system tests, meticulously validating products to ensure seamless functionality, mirroring customer usage scenarios.
- Contributed effectively in an agile development environment, actively participating in all stages of the software development process, including planning, design, implementation, and testing.

• Project assistant - Website Migration

University of Ottawa

(January 2023 - April 2023)

- Led the successful migration and update of a critical search engine utilized by over 2000 students at the University of Ottawa's Faculty of Law.
- Developed cutting-edge scripts to significantly enhance the search engine's performance and facilitate seamless data migration at the end of each academic year.
- Implemented a robust tracking process, ensuring accurate monitoring and management of crucial information during data migration and system updates.
- Innovated and optimized APIs, streamlining data fetching and injection processes, resulting in a smoother and more efficient user experience.
- Collaborated closely with cross-functional teams to understand user requirements, translating them into reliable and scalable automation solutions.

• Web developer

University of Ottawa

(May 2022 - August 2022)

- Spearheaded the development and maintenance of the University's critical course search engine, ensuring its seamless functionality and top-notch performance.
- Collaborated closely with a skilled team to revamp, build, and deploy new websites for the University, providing an enhanced online experience for students, faculty, and visitors.
- Collaborated with clients to understand their specific needs and provided technical support throughout the development lifecycle, ensuring successful project delivery and client satisfaction.
- Leveraged expertise in web scraping and data automation to create a sophisticated web scraper, streamlining the data collection process from every page on the website and effectively organizing the gathered information.

EDUCATION

• Bachelors' in Software Engineering |

University of Ottawa (Sep 2020 - Present)

CGPA : 8.9

PROJECTS

• Chat with your PDFs

- A website that uses AI to analyze your PDFs and ask them questions.
- Python, LangChain

• Manga scrapper

- A website that helps you find and download different chapters from your favourite mangas.
- Python

• File Compressor

- An algorithm similar to ZIP that uses lossless data compression algorithms.
- Java

• Hotels

- A website built using the PERN stack that behaves as an airbnb for hotels.
- Figma, PostgreSQL, Express, React.js, Node.js

• Work It Out

- A website that serves as a wiki for gym exercises with video examples.
- React.js, REST API