Yassine El Bouchaibi

Software Developer

- Montreal, Canada   +1 (514) 654-5881
- **in** Yassine El Bouchaibi   **○** YassineElbouchaibi
- ✉ yassine.el-bouchaibi@outlook.com
- 🌐 YassineElbouchaibi.github.io

PERSONAL PROJECTS

Canbus
Real-time Bus Fleet Tracking and Monitoring System

Made of a **hardware** component, multiple **software** components and a fully **auto-scalable infrastructure** as code deployed on **AWS**.

DumpAI
Smart waste classifier device powered by computer vision

Made of a **hardware** component, **on-board software** to handle feature extraction and user interactions and **cloud software** for input processing.

Poorman's Securities Master
Financial securities operational data store

Reverse engineered OpenFIGI's private API and scraped over 300GB of Financial securities reference data for educational purposes. The data was never used and immediately deleted after exploring various database optimization techniques.

Other projects
Let's discuss them in-person or over a call!

My passion for software development has driven me to build and often ship all sorts of projects. I would be more than happy to discuss all of them and even showcase some of them over a discussion.

PROGRAMMING LANGUAGES

Python	JavaScript / TypeScript	C / C++	SQL
★★★	★★★	★★☆	★★☆

PROGRAMMING FRAMEWORKS

React   React Native   Node.js   Flask   Three.js

SKILLS

Mathematics   Communication   Problem Solving

LANGUAGES

English	French	Moroccan Arabic
Fluent	Native	Native

Classical Arabic
Fluent

Passionate software developer eager to learn, build robust systems and meet amazing people!

WORK EXPERIENCE

Squarepoint Capital   (Jan 2022 - Present)
Software Developer

- Designed, developed and maintained multiple software applications for the firm by writing code, creating and modifying scripts, and troubleshooting errors.
- Led a team of 2 recent graduates on a technical level to successfully deliver various projects by understanding the project requirements, assigning tasks to team members, and ensuring continuous communication with the team.
- Reported to manager located overseas on project status and challenges.
- Handled multiple urgent trading incident issues by resolving them and communicating with various internal teams.

🔗 https://www.squarepoint-capital.com/

Squarepoint Capital   (May 2020 - Sep 2021)
Software Development Intern

- Designed and developed a system that extracts data from various brokers in real-time, notifies internal consumers when the data is ready for use and serves the data via a REST API, a GRPC API and a Web application.
- Planned, implemented and successfully executed multiple database migrations on over 3 million records.

🔗 https://www.squarepoint-capital.com/

AppForms   (May 2019 - Jan 2020)
Co-Founder

- Development of a web platform that makes mobile quiz game creation accessible.
- Development and sale of a mobile quiz game to Polytechnique Montreal to help their future students in their choice of program.
- Marketing, strategic and operational planning.
- Maintaining customer relationships.

Vention   (May 2019 - Sep 2019)
Industrial Machine Software Engineering Intern

- Carry out customer projects.
- Program industrial machines to meet customer needs.
- Develop functionalities for Vention's programmable controller (MachineMotion).

🔗 https://vention.io/

Vention   (Jan 2019 - Sep 2019)
3D Software Engineering Intern

- Develop functionalities for Vention's computer-aided design (CAD) software.
- Work with a cross-functional team, other engineers and developers.
- Represent the 3D department in the company's weekly meetings.
- Introduce new joiners to Vention's code base.
- Review other developers' code.

🔗 https://vention.io/

Polytechnique Montreal   (Sep 2018 - Dec 2018)
Laboratory Demonstrator - INF1005C - Procedural Programming

- Demonstrate the use of procedural programming and the C++ language in the laboratory.
- Answer students' questions and provide feedback on their work.
- Grade students' assignments.

🔗 https://www.polymtl.ca/programmes/cours/programmation-procedurale-1

Polytechnique Montreal   (May 2018 - Dec 2018)
Course Reconstruction - ELE1300 - Logic Circuits

- Develop PSoC 5LP laboratory procedures and assignments for the course.
- Lead experimentations on PSoC Creator, VHDL, Verilog and Arm Cortex-M3.

🔗 https://www.polymtl.ca/programmes/cours/circuits-logiques

EDUCATION

Polytechnique Montreal   (Aug 2017 - Dec 2021)
Bachelor of Electrical Engineering   Graduated with honours - GPA: 3.91 / 4.00

Cegep regional de Lanaudiere a Terrebonne   (Aug 2015 - May 2017)
Diploma of College Studies (DCS) in Natural Science   R Score: 32.748

AWARDS

Excellence scholarship   (May 2020)
Squarepoint Capital

Scholarship worth 1.5 years of tuition fees awarded to top students interning at the firm.