

Gianluca Piccirillo



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EDUCATION

Software Engineering Co-Op

McGill University

2021 - Present

Science Program

Marianopolis College

2019-2021



PROJECTS & COMPETITIONS

Lia : A Memory Aid Assistant (Project) (10/2021 - 11/2021)

- Full stack application to serve as an assistant for people with memory loss by interpreting questions and relaying answers back to the user using artificial intelligence.
- Won Best Health Hack at NewHacks 2021, University of Toronto.
- DevPost: devpost.com/software/lia.

PictoDocReader : A PDF Image Locator (Project) (01/2022 - 02/2022)

- Full stack development of a software to locate images within PDFs.
- Won Best Education Hack at McHacks 9, McGill University.
- DevPost: devpost.com/software/pictoreader.

PharmaHacks 2022 (Project) (02/2022 - 03/2022)

- Machine learning models to predict the diagnosis of disease based on presence of bacteria in the gut microbiome.



SKILLS

Programming/Scripting languages

Java, Python, JavaScript & TypeScript, C, ARM Assembly, HTML, CSS, SQL, Bash & ZSH (Unix command lines)

Libraries, Frameworks

Spring Framework (Spring: Security, Data JPA, Web, GraphQL, OAuth2 Authorization Server, OAuth2 Resource & Client, Azure Support, Spring for Apache Kafka), OAuth, NodeJs, ExpressJs, NextJs, ReactJs, Material UI

Systems, Platforms and Tools

Github, Git, Microsoft Azure, Docker, VSCode, IntelliJ, MacOS, Linux, PostgreSQL, MySQL, MongoDB, Github Actions, Kubernetes fundamentals

Concepts and other Technologies

Software architecture, Application security, REST, GraphQL, Ethical Hacking & Cybersecurity fundamentals



EXPERIENCE

2023

Full Stack Developer at Intact Financial Corporation

Learning outcomes: Full stack development on enterprise applications, Spring, Angular, Jenkins, Oracle DB, Liquibase, SQL, Agile development.

2022

IAM Cybersecurity Intern at CGI Inc.

Learning outcomes: General cyber security, security and access control models, IAM concepts and technologies, Microsoft Azure, Azure Active Directory, IAM automation, ethical hacking basics (training), SQL and Docker. Developed a service offer and a proof of concept for automating IAM processes.

2022

Co-founder and Lead developer at DevPro Media (devpromedia.com)

DevPro media is a Software development , Web development and marketing firm. Learning and development outcomes: Full stack development, deployment and management. Microsoft Azure, Vercel.

2022

Web Developer at Voysis IP Solutions

Learning and development outcomes: Web development and deployment with Vercel, NextJs, ReactJs, use of server-less function with Vercel.

2022

Tomlinson Engagement Award for Mentoring

Teaching assistance for Digital Logic (ECSE-222) at McGill University.

2022

Full stack blockchain developer at DDC NFT

Learning and development outcomes: Full stack development and deployment with HostGator, Vue.js and Nuxt.js, Solidity, ethers.js/web3.js, blockchain technology (Ethereum).