

# Savinelli Roberto Nicolas

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## Higher Education

**Bachelor of Science in Computer Science**, April 2024 – Present.  
Goldsmiths, University of London — London, England, United Kingdom.  
Activities and Societies: Member of the Oxford Philosophical Society.

## Further Science, Technology, Engineering, and Mathematics Education

*University Diploma, Full-Stack Development*<sup>1</sup>, August 2022.  
Buenos Aires Institute of Technology (ITBA) — Autonomous City of Buenos Aires, Buenos Aires, Argentina.  
Beneficiary of the Santander Bank Technology Scholarship.  
Activities and Societies: Member of the Institute of Electrical and Electronics Engineers (IEEE).

## Further Humanities, Arts, and Social Sciences Education

*University Program, Classical Works*<sup>2</sup>, August 2021.  
Harvard University — Cambridge, Massachusetts, United States of America.

## Professional Experience

**JPMorgan Chase** — Corporate & Investment Bank  
Autonomous City of Buenos Aires, Buenos Aires, Argentina.

- **Software Engineer I**, Analyst (502), Software Engineer Program, April 2022 – Present.

Usage and implementation of singletons, builder patterns, factory methods, lazy initialization, templates, object-oriented programming, test driven development (TDD), continuous integration and continuous delivery (CI/CD), integration testing, agile methodologies<sup>3</sup>, LEAN methodologies, SCRUM<sup>4</sup>, cloud computing<sup>5</sup>, value stream mapping<sup>6</sup>, design thinking<sup>7</sup>, Amazon Web Services (AWS)<sup>8</sup>, REST APIs.

Java programming for cloud-native enterprise-grade distributed micro-services using Apache Maven, Java Database Connectivity (JDBC), Oracle SQL, Lombok, Kafka, Cucumber, JUnit, Mockito, Jackson, Java Spring Boot and the Java Spring Framework.

Python programming for manual processes automation using flask, flask-restful, subprocesses, yaml parsing, Jupyter notebooks, Pandas, NumPy, urllib3, matplotlib, win32com, bs4 (beautiful-soup), pptx.

React Native and angular.js programming for front-end web development. HTML, CSS, and Javascript programming for web applications using jqGrid and JQuery.

Configuration and maintenance of UNIX-like operating systems, databases, and computer networks<sup>9</sup>.

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<sup>1</sup>Diploma: <https://certtun.vottun.com/badgedetail?id=5fa25951-ec7b-4b7b-b812-55eee3e7c674>

<sup>2</sup>Credential: <https://credentials.edx.org/credentials/76b8d372583f42549fc070f491cf3108/>

<sup>3</sup>Certificate: <https://savinelli.com.ar/documents/certificates/ucema/agile-bootcamp.pdf>

<sup>4</sup>Certificate: <https://savinelli.com.ar/documents/certificates/vmedu/sfc.pdf>

<sup>5</sup>Certificate: <https://savinelli.com.ar/documents/certificates/eoi/cloud-computing.pdf>

<sup>6</sup>Certificate: <https://savinelli.com.ar/documents/certificates/ucema/vsm.pdf>

<sup>7</sup>Certificate: <https://savinelli.com.ar/documents/certificates/ibm/enterprise-design-thinking-practitioner.pdf>

<sup>8</sup>Certificate: <https://www.credly.com/badges/a66202b0-6e04-46c9-9869-82af8b70064c/public.url>

<sup>9</sup>Certificate: <https://coursera.org/share/936b4930284977696582371101799534>

## Notable Open Source Software

*C Compiler for MINI*<sup>10</sup> (es\_AR)

Compiler written in C for the MINI programming language using Flex and Bison documented using Backus-Naur form meta-syntax notation. It was a sophomore year university project developed for the Syntax and Semantics of Programming Languages course of the information systems engineering degree at Universidad Tecnológica Nacional, following the informal definition of the language authored by Lic. Eduardo Zúñiga.

*Simple Wave Based Space Shooter*<sup>11</sup>

SWBSS was a freshmen year university project for the Informática I course of the electronic engineering degree at Universidad Tecnológica Nacional. This project written in C and it uses the allegro game programming library for 2D graphics rendering, input events handling, and audio playback. A newer version is being developed implementing the SDL2 library.

*Network Traffic*<sup>12</sup>

Network traffic measurement BASH/Shell script. Stores and prints how much data has been received (RX) or transmitted (TX) by reading Linux systems statistics, and calculates the delta RX and the delta TX since the previous time the cache was updated.

## Honors & Awards

*Santander Language Scholarship 2023*, Santander Open Academy, Santander Bank, December 2023.  
English language training program delivered by the British Council.

*Innovation Week Global Hackathon 2022*<sup>13</sup>, 2nd Place, J. P. Morgan Chase & Co., June 2022.

Recognition for the project “Park It”; an automatic parking slot assignment web application that solved a tangible existent problematic that occurred in the Buenos Aires Technology Centre.

*Santander Bank Technology Scholarship 2022*, Santander Bank, April 2022.

Software development training program delivered by the Buenos Aires Institute of Technology.

*UTN.BA Economics Course Projects Review 2021*<sup>14</sup>, Impulsarte.me LLC, December 2021.

Recognition for the project “Nutriapp”; a recipe suggestion engine and a health tracking application integrating professional medical advice and grocery shopping for which a business plan was developed.

## Language Qualifications

*English*, Proficient, Common European Framework of Reference (CEFR) Level C2.

Cambridge Assessment English, Cambridge University Press & Assessment, University of Cambridge.

Certificate of Advanced English (CAE), Grade A, Exam Certificate ID: -<sup>15</sup>.

*Spanish*, Proficient, Mother Tongue.

Not certified by institution or organisation under international standards.

## Organisations

Oxford Philosophical Society, Member, August 2022 — Present.

Revision Date: February 21, 2024.

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<sup>10</sup>Source code: <https://github.com/rnsavinelli/c-compiler-for-mini>

<sup>11</sup>Source code: <https://github.com/rnsavinelli/swbss>

<sup>12</sup>Source code: <https://github.com/rnsavinelli/network-traffic>

<sup>13</sup>Certificate: <https://savinelli.com.ar/documents/certificates/jpmorgan/second-place-certificate-2022.pdf>

<sup>14</sup>Certificate: <https://savinelli.com.ar/documents/certificates/impulsarte/economics-2021.pdf>

<sup>15</sup>Exam certificate yet to be issued.