**Samuel L. Finnegan**

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**LINKS**

* **Portfolio:** <https://www.samuel-lino-finnegan-portfolio.com/>
* **LinkedIn:** https://www.linkedin.com/in/samuel-finnegan-b11944ab/

**PROFILE**

With over 3 years of experience in the field of programming, I am fluent in multiple languages including Python, JavaScript, and SQL. My expertise extends to a wide range of libraries and frameworks such as Flask, Django, wxPython, Kivy, Pandas, Requests, Peewee, React.js, Node.js, and Redux. I am known for my strong interpersonal skills and a results-focused, solutions-driven approach to projects. My strengths include excellent numerical and organizational abilities, meticulous attention to detail, and the ability to remain stress-resilient while excelling under pressure.



**SKILLS**

* **Back-end:**Python, Node.js,SQL, Peewee ORM, Flask
* **Front-end:**React.js, html, css, sass, javascript
* **CI/CD:** Git Actions, Git, Jenkins
* **Testing:** Unit testing, Jest
* **Cloud:** GCP, buckets, Kubernetes, pub/sub, VM, Networking, SQLserver
* **Containerization:** Docker, Kubernetes
* **Mobile:**Kivymd
* **Agile:** Scrum



**PROJECTS** (These are just some of the projects ive done)

**SuperPy Admin API Tool**

* **Purpose:** A powerful Python-based CLI tool (with optional GUI) for efficient data management and administration of webstore backends.
* **Features:** Import/export data (CSV, Excel), data organization, data filtering, sorting, and report generation**.**
* **Visual Appeal:** Rich.table for visually appealing data presentation.

**Rent Bot**

* **Purpose:** Selenium-powered tool for automating rental property searches based on user-defined criteria**.**
* **Features:** Continuous monitoring for new listings, automatic responses to suitable listings with user-defined messages.
* **Personalized:** Tailored search based on user preferences for a customized rental property experience**.**

**My\_Trojan**

* **Purpose:** Created for learning about cybersecurity.
* **Description:** A Python Trojan allowing remote access to a target computer. Utilizes sockets for remote command execution.

**Social Media Platform / Marketplace**

* **Purpose:** A Flask-based app serving as a specialized platform for a specific community, combining marketplace and social media features.
* **Features:** Efficient database management with SQLite and Peewee, user engagement, item listing, commenting, debate clubs, and games.

**Recycling App**

* **Purpose:** A Kivy mobile app for promoting proper recycling through image analysis, barcode decoding, and ML-based guidance.
* **Features:** Utilizes PIL, pyzbar, SQLite, and Peewee for recycling assistance.

**Local Businesses Websites**

* **Purpose:** Developed websites for local businesses using HTML, CSS, and JS.

**EMPLOYMENT HISTORY**

**MCR Group**

Jul 2024 — Present **Software Developer**

* Designed and built an internal system using Python and Flask (along with several other libraries and languages, like Peewee, Pandas, SQL, JavaScript …) to centralize and automate company processes across multiple platforms. Developed multiple endpoints, including webhook integration for real-time data validation and processing, an API controller for document management, and an email-based OTP authentication system.
* Implemented internal logging and monitoring features, including automatic HTTP requests to platforms like Teams and Slack, providing real-time insights without server access. This system links various tools into a unified platform for streamlined company operations.
* Created a SharePoint intranet portal and leveraged Power Automate to design automated workflows, enhancing internal communication and operational efficiency.

**Accenture**

Jul 2023 — Jul 2024 **Quality Analist**

* Develop automation scripts using AppScript to retrieve data from a database and populate various sheets for different reports and Root Cause Analysis (RCA).
* Developed an internal tracking system, using HTML,CSS, Javascript, for Accenture employees (Global), to keep track of their different cases, as well as the time they spend on the tools, along with other relevant data, the data collected would then go to set of google sheets where they would be automatically parsed and summarized for management
* Created a SQL and AppScript-powered dashboard to automate reminders and track employees with pending cases for the management team.
* Used Google Sheets formulas and AppScripts to clean and organize data for reports.

Mar 2022 — Jul 2023 **New Associate** Dublin

* Developed software using JavaScript to automate repetitive tasks in workflow.
* Inquiry validation and response in accordance with guidelines and policies put forth by the client, an industry leader in the technology sector.
* Became an established subject matter expert for policies and procedures in scope for Accenture.

**Freelance Software developer**

Aug 2021 — Present

Specializing in delivering professional online presences, from sleek business websites that attract customers to customized portfolios that highlight individuals' expertise. Additionally, proficient in developing software tools that streamline operations and enhance user experiences. Committed to providing high-quality, tailored solutions that empower local businesses and professionals.



**EDUCATION**

Jan 2021 — Jan 2022 **Full-Stack Developer, Winc Academy** Amsterdam

* Built full-stack apps with React, Node.js & Flask for scalable UIs.
* Designed RESTful APIs using HTTP, JSON, MySQL, SQLite.
* Worked collaboratively with Scrum, agile methodologies & project tools.
* Practiced software engineering with Git, Jest & continuous integration with Git Actions.

Sep 2002 — May 2006 **High School Diploma, Escola Secundaria de Maia** Porto

* Focus on IT and Computer Science topics



CERTIFICATIONS

**Sep 2022 — Present**

Associate Engineer, Google Cloud Platform

**Feb 2021 — Nov 2021**

IT Essentials, Cisco