

Thomas Raczkowski

Python Back-End Developer

github.com/ratchek • [linkedin.com/in/thomas-raczkowski/](https://www.linkedin.com/in/thomas-raczkowski/) • ratchek.com/

Skills

Python, Django, Linux, Bash Scripting, Git, SQL, Bootstrap, Java, Amazon S3, HTML, CSS

Experience

Web Developer

Oct 2021 – present

Our Lady of Consolation RCC Brooklyn, Part-time

<https://olc-brooklyn.com/>

- Used **Django** to add upload handling and admin panel to the church website resulting in 90% decrease in time needed to perform weekly website updates.
- Migrated media files to **Amazon S3** for 65% decrease in webpage loading times.
- Used **Python**, cv2, and dlib to create hands-free, head-gesture operated counter resulting in 80% decrease in counting mistakes made by the organist during church service.
- Utilized Python requests and BeautifulSoup, Twilio, and cron to create daemon hosted on **AWS** that scraped hymn recommendations from the internet and sent the contents as text message.

Django developer

Jan 2023 – present

Tar Technology, Freelance

Door2Door (door2door.nyc)

- Designed and developed a tracking system for real estate canvassing using **Django**. Resulting in a 90% decrease in time spent on record management and 10% error rate decrease
- Integrated NYC housing databases via **PostgreSQL** to speed up homeowner lookup by 50%

Projects

- **Vorta** - Proposed and created a 'development mode' for Vorta (an open source, python-based GUI for the Borg deduplicating backup application) which allowed the sandboxing of settings, cache, and temporary files during development so that the development build could be run without affecting the host system's main instance of the program.
- **Registrar Automation for BADC** - Automated data migration process between remote and local data stores reducing time needed for this task from 40 man-hours per event to 5 man-hours per event (an 87.5% decrease) using Ruby, Nokogiri, and SQLITE3
- **Colornote to Joplin** – Tool for migrating notes along with metadata from ColorNotes (a closed-source note-taking app with no export functionality) to Joplin (an open-source note-taking app)

Education

CUNY - Queens College, Flushing, NY

Bachelor of Arts in Mathematics, Minor in Computer Science

May 2019

Data Structures, Design and Analysis of Algorithms, Algorithmic Problem Solving, Object Oriented Programming (OOP), Computation Theory, Advanced C++, Cryptography, AI with IBM Watson, Statistics, Graph Theory, Set Theory and Logic, Linear Programming and Game Theory, Non-Euclidean Geometry

Languages

English (Native or bilingual proficiency), Polish (Native or bilingual proficiency)