

ISAAC DESTURA

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PROFESSIONAL EXPERIENCE

Software Engineer, SITA

September 2024 — Present

- Contribute in an agile environment to the development of SBD (Self-Bag Drop) solutions that are deployed to many sites around the world
- Develop .NET projects that integrate with internal and external platforms, to deliver reliable self-bag drop solutions
- Contribute to development of Angular dashboards that improve the speed of development and deployment to new sites

ACADEMIC EXPERIENCE

Team Lead, University of Nottingham/ATOS

September 2022 — Jun 2023

- Led a year-long University Group Project, consisting of a team of 8 students to create an Android Calling App ([Video](#))
- Contributed to development by building the maps feature to allow users to easily see their current [What3Words](#) location
- Organized team priorities using kanban, and kept client updated with progress

Technologies: Java, Android, Unit Tests, CI/CD, Agile, SIP, APIs (What3Words, Google Maps)

EDUCATION

University of Nottingham, Computer Science, BSc (Hons)

2021 — July 2024

- Some Modules taken include: Computer Vision (Matlab), Designing Sensor-based Systems (Python), C++, Introduction to Software Engineering (Java), and Mobile Device Programming (Android, Java), etc

CURRENT PROJECTS

MaxMap

- Built a Discord bot using Python and SQL that allows users to share their hometowns with others
- Integrated various MapBox APIs
- Implemented an interactive map to allow users to see others' hometowns

Technologies: Python, SQL, APIs (Mapbox, Discord)

Technologies: Java, Android, SQLite

Dungeons Without Dragons

- Developed a 2D [Rougelike](#) that made use of procedurally generated levels and AI
- Implemented a system to let players save their progress, and continue where they left off
- Implemented using a framework in C++

Technologies: C++, SDL

SKILLS

- Code: C#, Angular, Java, C, C++, Dart, HTML, CSS, JavaScript (JS), Python, Matlab, Haskell, Rust
- Tools: Azure Devops, Firebase, SQL, Flutter, Bootstrap, Github/Gitlab, Jira, Unix

VOLUNTEERING

Speaker Acquisition Secretary, [HackSoc](#)

May 2023 — May 2024

- Responsible for talking with industry professionals, companies, professors and students, to host tech-related talks.
- Organized [HackNotts](#), one of the largest student-led Hackathons in the UK.

Senior Mentor

July 2023 - July 2024

Mentor, University of Nottingham

July 2022 - July 2023