Stefan Zupancic

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EDUCATION

- **University of Guelph**   Guelph, ON
  Bachelor of Computing; Computer Science   **Sept. 2018 - Apr. 2023**
  - **Relevant coursework**: User Interface Design, Intelligent Systems, Software Engineering, Software System Development and Integration, Database Systems and Concepts, System Analysis and Design in Applications, Web Design and Development, Software for Legacy Systems, Analysis and Design of Computer Algorithms, Object Oriented Programming, Data Structures, Discrete Structures in Computing.

DEVELOPMENT EXPERIENCE

- **PaleoMap3D**   Javscript, Three.js, Python, Bun, Elysia, Docker
  Ancient Earth Globe   **Spring 2024**
  - Developed a custom binary file to efficiently transport and then parse latitude, longitude and elevation data across http.
  - Learned how to generate real time 3d graphics in the browser.
- **Replaycode-OCR**   Python, OpenCV, TesseractOCR, DiscordAPI, Docker
  Discord bot for Overwatch replaycode extraction   **Winter 2024**
  - Developed a method to automatically parse 6 alphanumeric character codes out of a given image using OCR tools.
  - Used OpenCV to template match and pre-process images before getting results from Tesseract-OCR.
  - Created a test harness to track image processing improvements, achieving a 94% result accuracy.
  - Made a user input, results based logging system to monitor bot performance in real time and collect edge cases to be fixed.
  - Learned how to separate production and development environments using environment and other configuration files.
- **Pokepastefix**   Javascript
  Web Extension   **Winter 2024**
  - Built an extension to fix the core functionality of the pokepast.es website. Images continue to be missing from their server, this utility patches that issue up.
  - Learned how to manipulate the DOM via content scripts.
  - Maintained software as new updates to the base game came out.
  - Distributed the software to dozens of users via the Chrome and Firefox extension stores.

WORK EXPERIENCE

- **Online Data Analyst**   Remote
  Telus International   **Apr. 2024 - Ongoing**
  - Improved the content and quality of responses given by various types of AI algorithms with a focus on agentic search LLMs.
  - Completed research and evaluation tasks in a web-based environment. Verified and compared data, determined the relevance and accuracy of information.
  - Performed highly detail oriented and research intensive work. Followed a specific set guidelines for each task.
  - Worked with various forms of media, including: text, audio, images and maps.
- **Overwatch Esports Coach**   Online, Europe, and North America
  With various Tier 2 and Tier 3 teams   **Sept. 2019 - Sept. 2022. Nov. 2023 - Mar. 2024**
  - Engaged heavily in strategic and analytical thinking skills to judge and determine what the team needs to improve on.
  - Responsible for leading a team and building a structured team environment.
  - Spent time as a head coach as well as working in tandem with other coaches as an assistant coach.
  - Taught concepts to players via various visual mediums such as VOD reviews, info graphics, web- based documents.
  - Collected relevant match and practice data, organized it in a spreadsheet, then visualized it.
  - Accommodated students with different learning styles.
- **Gardener/Landscaper**   Toronto, ON
  Good2Grow   **Every summer since 2017**
  - Carried out gardening activities aimed at enhancing visual appeal for a variety of clients.
  - Collaborated within a compact team.
  - Executed plant pruning across diverse species, branch trimming, and minor tree removal within precise planting procedures.
  - Implemented weed control measures by applying ground fabric.
  - Skillfully utilized various types of stone for path construction.

SKILLS

- **Expertise**: Python, C, Javascript, Java, Docker, Node.js, Bun, HTML, CSS, Linux, Git, CI/CD flow, Markdown, Kanban, Agile, Scrum, Hardware Components

- **Proficient**: SQL, MongoDB, PostgreSQL, Rust, Bash, React, Cloud Services, Virtual Machines, XML, libxml2, Assembly, TKinter, Numpy, WSL2, Kubernetes, Excel