Tristan Daniël Maat

App. 117, 2 Bexley Square, M3 6GP Salford, United Kingdom

+43 676 734 8550, tm@tlater.net, tlater.net

github.com/tlater, discourse.nixos.org/u/tlater, linkedin.com/in/tlater

Relevant Experience

June 2017–Today   Software Engineer/Consultant at Codethink Ltd.
- Started as internship from 2017–2019, while completing education
- Worked on a variety of projects for a variety of organizations, including:
  – Worked on the team designing and implementing BuildStream, a large software build and integration tool, publicly used by the GNOME release team today:
    - **https://github.com/apache/buildstream**
  – Worked on a project to convert a CEF-based browser to chromium for an embedded browser.
  – Led various project focused on documenting and improving parts of Bazel, public outputs are:
    - **https://github.com/bazelbuild/bazel/pull/14371**
    - **https://github.com/bazelbuild/bazel/pull/14677**
    - **https://github.com/bazelbuild/bazel/issues/12821#issuecomment-1086109585**
  – Currently working on a team that is evaluating, designing and implementing workflows around using container technology in an embedded Linux project
- Valued especially for mentorship by new employees

Education

2014–2019   The University of Manchester
Computer Science with Industrial experience, MEng (Hons), First Class
- Various courses, particular interest in OS-level software and cyber security
- Participated in a mentorship program for junior students (PASS)
- Participated in, and won, a number of Hackathons and CTF events

2010–2014   Meinhardinum Stams
Austrian Matura, completed with "ausgezeichnetem Erfolg"

Other Experience

Summer 2016   Created a digital art exhibition for The University of Manchester

Summer 2014   Created web scraping scripts for zadego GmbH

Relevant Skills

- Build and integration tooling
  - Nix, BuildStream, Bazel
  - Various language-specific build tooling
- Container and devops tooling
  - OCI container tooling (including docker registries)
  - LXC, flatpak
  - Used AWS, Azure and GCP for individual services
- Programming languages (order of experience)
  - Python   Used for BuildStream and most non-sh scripting
  - JS/TS   Used for many years, web front/backend, first "real" language
  - Rust   Used for private projects, web front/backend and wayland experiments
  - Nix   Used in and around NixOS
  - Lisp   Used mostly for configuration of Emacs and writing Emacs packages
  - C++   Used for converting a CEF-based browser to chromium, as well as graphics programming
  - C   Used in conjunction with Python, Rust and C++ projects
  - Java   Used at university and for Bazel contributions
  - Haskell   Learned out of interest, recently used to replace Python/gnuplot for graphing purposes
  - PHP   Used for web backend before Rust, Python and JS replaced it
- Other software development tooling (e.g. Git, GitHub actions, Jira, …)

Other Skills

- Typesetting and graphing tools (*T$_E$X, gnuplot, pyplot)
- Languages
  - Fluent: Afrikaans, Dutch, English, German
  - Beginner: Italian
- Conference Talks
- Mentoring
- Tech-level sprint management

Hobbies and Interests

- NixOS
  - Used for most personal programming for the last two years, very active in help channels
- Tabletop role-playing
- Badminton

References available on request