

Sean Borg

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PERSONAL STATEMENT

I am a reliable hard working software developer with a passion for learning new technologies and languages. Following University I have seen several projects through to completion both with clients and independently.

WORK

Software engineer **April 2020 - Current**
Codethink **(Full-time)**

- Learned and made heavy use of CI, mainly through gitlab (I now have a personal cluster of RPI runners) but also using jenkins and circle CI
- jumped into snipe it and got MR merged upstream github.com/snipe/snipe-it/pull/8220
- Learned a lot more about Git using rebase -i and many more git tools

Track a Train **Nov 2019 - Current**
Android app **(CEO?)**

- Making good use of unit tests to prevent regressions while iterating quickly
- Gained understanding of android ecosystem; apis, google play store listing, charging subscriptions natively in app
- **trackatrain.co.uk** Access to source code available on request

Software developer **January 2018 - April 2020**
Handsfree Group **(Contract)**

- Created a suite of apps hosted by Google app engine, front-end Angular, back-end Django:
- Front-end, for an internal audit app, progressed into full stack after initial deployment
- Beta version of 'DVSA earned recognition' compliant software
- Back-end. Agency Driver Onboarding and Defect Reporting app, working with unit tests to reduce bugs
- Produced a demo Android app to communicate with a Pietel PTCarPhone **in 4 days**

PROJECTS

Nixos **Feb 2021 - Current**
Self taught

- Learned and installed Nixos on all my devices, allowing me to treat my devices much more like cattle as rebuilding one can be done in minutes
- Manage 10+ devices with Nixos/Krops that can be updated remotely and do a wide variety of tasks; personal laptop, work laptop, home NAS and home automation

rust **Dec 2020 - Current**
Self taught

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Personal **Oct 2020 - Current**
Home (boat) automation

- Rolled out sensors across boat to track various data points using open source tools; zigbee2mqtt, grafana, prometheus
- Expanded project with automatons in Node-Red, it now acts as my security system
- Thanks to nixos, all the computers are backed up nightly and easily redeployable in 15 min if any break

AI competition **Jul 2016**
Competition **(1 week)**

- 65th out of 2405, creating a program to play Reversi(Othello) on hackerearth.com in Java

Visual Algorithms
Android app

Jun 2015
(1 week)

- Small app created, in my gap year, to learn more about Java and android programming

EDUCATION

Bangor University
Second Class Upper division BSc in Computer Science

September 2015 - June 2018