# Nicholas Whittaker

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## Experience

**Monash University (eSolutions)**                    *Jan 2018 - Jun 2019*
Junior Software Developer

- Developed MonPlan, Monash's service for study planning and online course advice
- Engaged with and presented to faculties and departments across Monash to introduce and launch MonPlan in 2018
- Partnered with the Research unit on placement to bring their reporting apps to the cloud

**Code Camp**                    *Jun 2017 - Dec 2017*
Teacher

- Taught children the basics of coding, building their own games in a holiday program
- Ensured campers had a fun, positive experience while learning the logic of computers

## Projects

**MonPlan**                    *monplan.apps.monash.edu*
*JavaScript (React, Redux, React DnD)*

- I was a frontend developer with a team of students, and together we delivered Monash University's **first online course planning service**.
- I gave MonPlan a major UI upgrade over 2018, making it **responsive and accessible** to all users while upgrading our UI framework under the hood.
- We also introduced new features, including course advice from faculty staff and enrolment validation, while maintaining existing functionality for our student users.

**Mellophone**                    *github.com/nchlswhttkr/mellophone*
*TypeScript (React), Python (Django) with GitLab CI*

A hobby project to reinforce my own knowledge and learn new technologies.

- The frontend is **React (TypeScript)** with tests using **React Testing Library**.
- Backend is a **Django** application that follows RESTful principles.
- Automated unit and end-to-end testing and deployment with **GitLab CI** to **DigitalOcean**.
- I taught myself **Docker** to set up a stable CI and development environment.

## Education

**Bachelor of Computer Science**                                          *2017 - 2019*
Monash University

Specialising in Data Science with an Industry-Based Learning placement in 2019.

## Community

- Volunteer, student mentor and past committee for WIRED, supporting IT at Monash
- Logistics officer with UNIHACK, running Australia's largest hackathon for university students
- Open source contributor attending conferences, meetups and hackathons in Melbourne
- Musician with brass bands and orchestras around Melbourne, playing in competitions and community gigs
- Bowler and barman for Coatesville Bowling Club

## Skills & Interests

I'm most confident with the frontend web stack, building with **React** and using developer tools to ensure an accessible and consistent user experience.

I'm keen about automation, and like to use CI/CD in my work to test and deploy my projects to **DigitalOcean**, **AWS** and **GCP**. Recently, I've been using **GitLab CI** and **Buildkite**.

Currently, I'm teaching myself **Golang** and exploring **Docker** further. I believe in learning by applying, and try to show this through my projects on GitHub for others to see!