

# Forest Anderson

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## EDUCATION

**BCS in Computer Science** *Ottawa, ON*  
*Carleton University* *Expected Dec 2023()*

## LINKS

GitHub: AngelOnFira  
GitLab: AngelOnFira  
LinkedIn: forest-anderson

## SKILLS

**Languages:** Rust • Python • TypeScript

**Technologies:** Docker • Nomad • Terraform AWS • Digital Ocean • Hetzner GitHub Actions • GitLabCI • Jenkins

**Frameworks:** Django • Node.js • Flask • Ruby on Rails

## VOLUNTEER

Carleton Computer Science Society  
*Various Positions* Sept 2015 - May 2022

## TALKS

## EXPERIENCE

**Veloren** *Jan 2019 - Present | Remote*  
*Meta Team Lead, Core Developer*

- Re-designed **Gitlab CI** system to use **Docker** images and optimize **Rust** builds
- Edited a weekly blog detailing the recent technical advancements
- Hosted weekly meetings with contributors to discuss development progress
- Spoke at **CUSEC 2020**, **MiniDebConf 2 2020**, and **Rust in Arts 2021**

**Awetza** *Nov 2019 – Present | Remote*  
*Backend Developer*

- Decided on technical stack and direction for new platform
- Created several prototypes to test out different technologies

**Timsle** *July 2018 – Apr 2020 | Ottawa, ON*  
*Backend Developer*

- Migrated the backend stack from **Heroku** to **AWS Fargate**
- Designed and developed a **CI/CD** pipeline with **Jenkins**
- Created **Docker** images for development and production web servers

**ScholarPro** *May 2019 | Ottawa, ON*  
*Contract Developer*

- Created **Docker** images for the production web servers and database
- Deployed the server stack on **AWS Fargate** and set up daily database backups
- Set up **CircleCI** for continuous delivery, and **Sentry** for error tracking

## PROJECTS

**Rusty Christmas Tree** *Dec 2021*  
*<https://github.com/AngelOnFira/rusty-christmas-tree>*

- A Raspberry Pi program that controls an LED Christmas tree
- Created in Rust with local visualization done using Nannou
- Includes a Warp backend server and a frontend UI made with Yew

**Resume Templater** *July 2019*  
*<https://github.com/AngelOnFira/resume-templater>*

- A tool that creates versions of resumes for different positions
- Uses the Jinja library to template .tex files in the Deedy resume format
- Created a Docker image for easy usage without installing multiple libraries

**Miracle Merchant AI** *Jan 2018 - April 2018*  
*<https://github.com/AngelOnFira/Miracle-Merchant-AI>*

- An AI created for the mobile game '**Miracle Merchant**'
- Created in **Python** with data visualization done using **Plotly** and **Jupyter Notebook**

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- Of **~5000 tests**, the median score was better than most experienced players
- Seven tests resulted in scores higher than the **global high score**

## Course Selection Tool

*April 2017 - Present*

<https://github.com/AngelOnFira/course-selection>

- A tool for students to create timetables for their courses at Carleton University
- The website backend is built with **Flask**, and the course web scraper is built using **Ruby**
- The courses are stored in a **MongoDB** database. The site is hosted on **AWS**

## CUHacking App

*Sept 2017 - Dec 2017*

<https://github.com/CUHacking/CUHackingApp>

- An app created for use at Carleton's Hackathon
- Helps participants navigate around the university and stay in contact with organizers
- Created and managed the database, built with **Ruby on Rails**. Database stored on **Heroku**
- Worked as the backend developer on a four-person team

## PUBLICATIONS

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