

Forest Anderson

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EDUCATION

BCS in Computer Science
Carleton University
Honours in Game Development

LINKS

GitHub: AngelOnFira
Gitlab: AngelOnFira
LinkedIn: forest-anderson

SKILLS

Languages: Rust • Python

Technologies: GitHub Actions •
GitlabCI • Jenkins

VOLUNTEER

GitHub Campus Expert
Field Day Co-Lead 2021 - Present

RustLang Gamedev Working Group
Team Lead 2020 - Present

RustLang CTCFT Working Group
Member 2020 - 2022

HashiCorp Ambassador
Community Ambassador 2021 - Present

Carleton Computer Science Society
Various Roles Sept 2015 - May 2022

TALKS

GitHub Universe '22 Codespaces in
Education with David J. Malan

CUSEC '22 Leveling Up Game
Development with Rust

Rust in Arts '21 Director's
Commentary: Veloren

HashiTalks: Deploy '21 Nomad for
Students

Minidebconf '20 Community Game
Development in Rust: A Biopsy

EXPERIENCE

Veloren Jan 2019 - 2023 | Remote
Meta Team Lead, Core Developer

- Re-designed **Gitlab CI** system to use **Docker** images and optimize **Rust** builds
- Managed migrations through several servers as the project grew in popularity, seeing over **300+** concurrent players on a single server
- Edited a weekly blog detailing recent project advancements
- Hosted weekly meetings with contributors to discuss progress
- Spoke at **CUSEC 2020**, **MiniDebConf 2 2020**, and **Rust in Arts 2021**

PROJECTS

Create Envfile Action 2019 - Present

- Created a popular **GitHub Action** for generating .env files from repository secrets
- Used by **4,300+** repositories including major open source projects
- Built with **TypeScript** and integrated with **GitHub Actions API**
- Maintained through multiple changes of GitHub Actions with focus on reliability

Rusty Christmas Tree Dec 2021

- 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

- 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

PUBLICATIONS

L. Doyle, F. Anderson, E. Choy, D. Mould. **Automated pebble mosaic stylization of images**. Computational Visual Media, 5:33-44, 2019.

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CUSEC '20 *Cultivating A Healthy
Open Source Community*