

Forest Anderson

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EDUCATION

CARLETON UNIVERSITY
BCS IN COMPUTER SCIENCE
Honours in Game Development

LINKS

GitHub:// [AngelOnFira](#)
Gitlab:// [AngelOnFira](#)
LinkedIn:// [forest-anderson](#)

SKILLS

LANGUAGES:

Rust • Python

TECHNOLOGIES:

Docker • Burp Suite • Wireshark
AWS • Digital Ocean • Hetzner
GitHub Actions • GitlabCI • Jenkins

FRAMEWORKS:

Django • Node.js • Flask

VOLUNTEER

CARLETON COMP SCI SOCIETY
Sept 2015 - May 2019
Student Society

HACK ALL THE THINGS
Apr 2018 - Present
Cyber security competition

HACK.CARLETON
Apr 2016 - Apr 2017
Cyber security club

LAME JAM
Nov 2017, Nov 2021
Local game jam

CARLETON .DEVCLUB()
Jan 2019 - June 2019
Side project club

EXPERIENCE

TIMSLE | BACKEND DEVELOPER

July 2018 - Apr 2020 | Ottawa, ON

- 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
- Created a command line tool that brings up a local development environment

SCHOLARPRO | CONTRACT DEVELOPER

May 2019 | Ottawa, ON

- 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

GRAPHICS IMAGES AND GAMES LAB | RESEARCH STUDENT

May 2016 - Aug 2016 | Ottawa, ON

- Created a pebble mosaic filter for digital photos
- Wrote the pipeline in **C++**, used **OpenCV** to manage and process the images
- Used simple linear iterative clustering to segment the image and phong lighting to display the pebbles

PROJECTS

VELOREN Jan 2019 - Present

- Re-designed **Gitlab CI** system to use **Docker** images to optimize **Rust** builds
- Wrote a weekly blog detailing the recent technical advancements
- Planed and hosted periodic meetings with the core team to discuss development progress and analyze milestone progress

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

COMPETITIONS

2020	23rd	NSec CTF 2020
2019	5th	iHack 2019
2019	5th	CS Games Security Challenge
2018	10th	Bsides Ottawa
2018	3rd	GeekSeek V CTF
2018	2nd	OWASP CTF

PUBLICATIONS

- [1] L. Doyle, F. Anderson, E. Choy, and D. Mould. Automated pebble mosaic stylization of images. *Computational Visual Media*, 5:33–44, 03 2019.