# Forest Anderson

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## EDUCATION

### CARLETON UNIVERSITY

BCS IN COMPUTER SCIENCE
*Honours in Game Development*
Expected June 2023

## 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 – Present | 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

| Year | Place | Event |
|------|-------|-------|
| 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.