

Nikola Rados

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EXPERIENCE

Pacific Climate Impacts Consortium, Victoria, BC — DevOps Specialist

SEPTEMBER 2019 - DECEMBER 2019 (PART TIME) & JANUARY 2020 - PRESENT

- Integrated Jenkins into software development pipeline to:
 - Run integration tests using multiple versions
 - Build, publish and scan docker images
 - Publish python packages to pypi
- Developed custom Jenkins shared library features for CI/CD pipelines

Assistant Programmer/Analyst Co-op

MAY 2019 - AUGUST 2019 (PART TIME)

JANUARY 2019 - APRIL 2019

MAY 2018 - AUGUST 2018

- Researched vector and raster mapping tools
- Formalized the process to create projected raster tiles
- Built foundation for the Plan2Adapt version 2 analysis tool by:
 - Developing a script that determines climate impacts
 - Processing and adding new climatological data to database
- Designed and implemented script to process temperature and precipitation data into snowfall data
- Built data acquisition pipeline which downloaded, normalized and inserted climate data into database
- Implemented JSON logging in acquisition pipeline for tracking through ELK

Precision MicroDynamics Inc., Victoria, BC — Co-op Student

MAY 2017 - AUGUST 2017

- Standardized embedded software tests
- Extended testing to handle multiple hardware devices
- Designed and implemented automated code documentation tool

EDUCATION

University of Victoria, Victoria, BC — Computer Science with Software Engineering Option

JANUARY 2014 - PRESENT

LANGUAGES

- Python
- Java/Groovy
- C/C#
- JavaScript
- HTML

FRAMEWORKS

- Django
- React
- Angular

TOOLS

- Git
- Jenkins
- TravisCI
- Docker
- Github Actions
- pgAdmin
- Mapnik
- Microsoft Office

PERSONAL PROJECTS

Bentley — Bot

Discord bot responsible for running a voting system on discord. It was able to embed a vote, award people for their participation and use “powers” to help sway votes. While no longer in use, it was fun to build and will inspire future personal projects.

underScore — Bot

Discord bot that retrieves, processes and displays team/player soccer statistics. Still a work in progress.