

Dylan DeCoursey

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Education

University of Alberta
Bachelor of Science in Computing Science

Edmonton, AB
Sept 2017 – Jun 2022

Experience

Environment Canada
Software Developer (Intern)

Edmonton, AB
May 2021 – Present

- Developed a project-tracking tool for management and staff for local projects
- Optimized a 4-dimensional weather data app, decreasing load times by threefold
- Created a web-based tool to manage backups of MySQL databases using PHP
- Implemented new methodologies and tools for analyzing climate data
- Mentored interns and served as a first point of contact for questions

Environment Canada
Software Developer (Intern)

Edmonton, AB
May 2019 – Sept 2020

- Developed web-based tools to assist meteorologists, management, and clients
 - Developed a Wiki-like application for conveying local area information at airports
 - Implemented a web-based logging mechanism for 24/7 forecasting operations
 - Created an interactive webapp to visualize 4-dimensional weather data
 - Automated email reports to managers using cron jobs
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Projects

NewConnection | React, Material-UI, Python, Django, Heroku

- Developed a full-stack social media application, inspired by Instagram
- Features a responsive mobile and desktop layout

WeatherJS | React, Material-UI, Express.js, HighCharts.js, Heroku

- Webapp for conveniently visualizing forecasts for cities around the world
 - Used HighCharts.js to display weather data from OpenWeatherMap API
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Skills

Programming Languages: JavaScript, Python, SQL, HTML, CSS, Java

Technologies and Frameworks: Vue, React, Node, Express