Dylan DeCoursey

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Education

University of Alberta

Bachelor of Science in Computing Science   **Sept 2017 – Dec 2021**

Skills

Programming Languages: JavaScript, Python, HTML/CSS
Database: SQL, Firestore, Firebase
Technologies and Frameworks: Node, React, Express, Vue
Other: Git, Linux, Netlify, Heroku

Work Experience

Environment Canada   **Edmonton, AB**
Full Stack Developer (Intern)   **May 2021 – Dec 2021**
- Developed a project-tracking tool for management and staff for local projects
- Optimized a 4-dimensional weather data app, decreasing load times by 300%
- 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   **Edmonton, AB**
Full Stack Developer (Intern)   **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 web application to visualize 4-dimensional weather data
- Automated email reports to managers using cron jobs

Projects

newconnection.ca *(React, Material-UI, Python, Django, Heroku, Netlify)*
- Developed a full-stack social media application
- Features a responsive mobile and desktop layout
- Authentication through Django using auth-tokens
- RESTful backend built with Django

WeatherJS *(React, Material-UI, Express, HighCharts.js, Heroku, Firebase)*
- Single page web application for conveniently visualizing forecasts for cities around the world
- Used HighCharts.js to display weather data from OpenWeatherMap API
- Authentication using Firebase