

David
Carlo Aler
Fermo

Job Applicant

Summary

David Carlo Fermo

535 P5, Barangay Cobangbang
Daet, Camarines Norte, 4600

09473284115

dcfermowork@gmail.com

<https://github.com/DeusXXIV>

www.linkedin.com/in/david-carlo-fermo-7525b12b8

<https://www.coursera.org/user/2a4926a36fd6ca64ea17f31d46060ee7>

Results Driven, Highly motivated, and Diligent BS Information Technology graduate from Ateneo de Naga University with personal project and coursework experience in Web Development, Mobile Development, and Game Development. Knowledgeable in various programming languages such as Python, C#, C++, Java,. Skilled in front-end web development using HTML, CSS, JavaScript, Bootstrap, and Tailwind, and back-end development with PHP, SQL, and MySQLi. Currently learning React. Knowledgeable in the use of GitHub Version Control, Firebase, Flutter, Oracle, and SQL Lite. Involved in creating web, mobile, and game applications, including a restaurant ordering website and a multi-functional mobile app for hydroponic farmers. Currently pursuing a Google Data Analytics Professional Certificate in Coursera with 5 out of 8 courses finished. Strong problem-solving abilities, adaptability, and attention to detail. Proficient in speaking English, Filipino, and Bicol. Excited to be able to contribute to your company and expand upon the skills I learned in my OJT, IT Projects, and within the classroom to contribute to real-world projects.

Education

Ateneo de Naga University / BS in Information Technology

June 2018 - June 2024, Ateneo Ave, Naga, 4400 Camarines Sur

La Consolacion College of Daet / Senior High School

June 2016 - April 2018, F.Pimentel Ave. Daet, Camarines Norte

Academic Track: Accountancy, Business, and Management

Camarines Norte State College / Junior High School

June 2012 - April 2016, J. Lukban Ext. Daet, Camarines Norte

Academic Strand: Information and Communications Technology

Projects and
Coursework

- Data Analytics
- Power Generation by Fuel Source, 1990-2020 / Personal Data Analytics Project
- Used Excel and Tableau to visualize charts and a dashboard
- Web Projects
- Restaurant Ordering Website / Web Development Class
- Used HTML, CSS, JavaScript, and Bootstrap as Front End.
 - Used PHP and MySQLi (xampp) for Back End.
 - Created a website for a fictional restaurant that allows clients to look at the restaurant's details, their menu, and the ability to order online.
 - The restaurant can also log in with an administrator account allowing them to access and manage all online orders.
 - Also contains a restaurant-facing component that serves as an order management system for all orders coming in from the website.
- Mobile Development
- DigiHydro / Senior Capstone
- I Used Flutter to create a great UI/UX experience for the Front End
 - I Used Firebase to manage the database for the Back End
 - I Used JavaScript for data processing via Firebase Cloud Functions
 - I Used Arduino to program an IOT device
 - I Used an Air Temperature Sensor, Water Temperature Sensor, Air Humidity Sensor, TDS (PPM) Sensor, and a water pH (acidity) sensor to gather water and

air data.

- I Used Arduino Uno R3 and NodeMCU as the main board and processing centers for the data gathered as well as be transferred over wifi to Firebase.
- I Created a mobile application that can help serve as a multi-functional application for Hydroponic Farmers with an IOT Device component
- The user can see real-time feedback of data coming from the device in order to monitor the water quality of the reservoir and the air quality of the greenhouse
- The application creates a chart and plots said data over a day, and a month, which the user can then check. This applies to all 5 sensors, as well as charts for each individual sensor.
- The user can create notes with pictures as well as the ability for the user to attach charts with the note by selecting a date range.
- The user can create plant batch entries, which are segregated into current and finished batches.
- Charts are generated for each batch using their start, current, and their end dates, which the user can compare with other batches. The charts are plotted to overlap, which allows the user to make a visual comparison.
- Notifications are also sent to the user if values go above or below optimal levels, along with recommendations and warnings.

Pandemic Quarantine Application / Mobile Development Class

- Due to insufficient time, the project was only finished up until the front end
- I used Flutter to create a great UI/UX experience for the Front End
- Created an application that can be used by someone in quarantine, family members, as well as the quarantine administrator to chat with each other, get a daily checklist for the quarantined person’s daily tasks, take pictures to ensure compliance, as well as allow administrators to modify what the person will do as well as monitor the person if he or she is allowed isolation elsewhere or on a home-based quarantine

Game Projects

Multiple Sample Games / Game Development Class

- Created multiple short games of different genres
- Created a comprehensive final game (fps game) that served as Final Project and Exam
- Learned Unity and C#

Skills

Data Analytics / Tools

- Tableau Software (Intermediate)
- Excel (Proficient)
- Google Sheets (Proficient)
- R Programming (Intermediate)
- R Markdown (Intermediate)
- Spreadsheet Software (Proficient)
- SQL (Proficient)
- Data Visualization Software (Intermediate)
- Ggplot2 (Intermediate)
- Tidyverse (R Package) (Intermediate)

Data Analytics / Analysis Skills

- Data Processing
- Data-Driven Decision-Making
- Data Sharing
- Analytics
- Data Cleansing

- Business Analytics
- Data Visualization
- Data Analysis
- Analytical Skills
- Data Ethics
- Business Analysis
- Dashboard Creation
- Data Presentation
- Smart Goals
- Stakeholder Management
- Quantitative Research
- Problem Solving
- Data Collection
- Metadata Management
- Unstructured Data
- Data Literacy
- Data Security
- Databases
- Data Import/Export
- Data Quality
- Data Management
- Data Ethics
- Data Storage
- Sampling (Statistics)
- Sample Size Determination
- Data Validation
- Data Transformation
- Data Integrity
- Presentations
- Web Content Accessibility Guidelines
- Data Storytelling
- Stakeholder Engagement
- Data Manipulation
- Statistical Programming
- Package and Software Management
- Data Import/Export
- Analysis
- Artificial Intelligence
- LinkedIn
- Case Studies
- Interviewing Skills
- Portfolio Management

Web Development / Front End

- HTML (Proficient) / Used for Academic and Personal Development
- CSS (Proficient) / Used for Academic and Personal Development
- JavaScript (Proficient) / Used for Academic and Personal Development
- Bootstrap (Intermediate) / Used in Web Development Class

Web Development / Back End

- PHP (Intermediate) / Used in Web Development Class
- SQL (Proficient)/ Used for Academic and Personal Development
- MySQLi (xampp)/ Used for Academic and Personal Development
- SQLite (Proficient) / Used in Web Development Class

General Skills/ Programming

- Python (Proficient) / Used to make simple mini-games and simple UI programs as personal projects
- C# (Proficient) / Used in Game Development Class
- C++ (Proficient) / First language used in college
- Java (Proficient) / Used Objective Oriented Programming classes
- Kotlin (Intermediate)/ Used for learning Native Android Development
- PHP / Used to code back-end of school projects

General Skills / Database

- Oracle (Intermediate) / Used in Database Class
- SQL Lite (Proficient) / Used as an alternative to MySQLi (xampp) during Web Development Class
- Making Database Diagrams and Models

Others / IT Skills

- Github Version Control (Proficient) / Used for Academic and Personal Development
- Knowledge of REST API's
- LLM Application
- Google Gemini
- Generative AI

Others / Job Skills

- Team Leadership, Hardworking, Can Work Under Pressure, Adaptability, Problem-Solving, Teamwork, Communication, Attention to Detail, Analytical and Creative, Professional Development, Planning, Professional Development, Prompt Engineering

Mobile Development / Full Stack

- Flutter (Proficient) / Used in SP Capstone Project and Academic Development
- Kotlin (Intermediate) / Used for learning Native Android Development
- Firebase (Proficient) / Used in SP Capstone Project

Game Development / Language and Platform

- Unity (Intermediate) / Used as the game engine for multiple learning projects and final project for game development class and for a personal project
- C# (Intermediate) / Used to program the multiple learning projects and final project for my game development class and for a personal project

Others / Business Skills

- Management, Organization, Basic Accounting, People Management, Staffing / Gained from Senior Highschool Strand and from experience building and handling micro businesses

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Work Experience

La Consolacion College of Daet / Part Time Instructor

June 2024 - Present / Daet, Camarines Norte, Philippines

- Teaching Computer Science and Information Systems Major Subjects as a part time faculty of the Computer Science Department (19 units).
- Change of capacity from Full Time to Part Time with Intent to upskill and transition to industry.

La Consolacion College of Daet / Full Time Instructor

July 2024 - April 2025 / Daet, Camarines Norte, Philippines

- Teaching Computer Science and Information Systems Major Subjects as a full

time faculty of the Computer Science Department.

Knowles Training Institute / IT Intern

2023 - Work From Home / Singapore

- Web Development (Wordpress)
- AI Prompt Engineering (ChatGPT, Midjourney, Claude)
- SEO and Google Ads Management
- Team Management (Team Leader for Google Ads and Content Creation)
- Standard Operating Procedure creation and Workflow Standardization for new IT technologies in the workplace

Lumina Homes / Marketing and Office Intern

2018 - Daet, Camarines Norte

- Dealt with House Application Paperworks
- Organization and Clerical Work
- Helped conceptualize marketing campaigns
- Worked as a product agent

Academic Affiliations

TACTICS (The Ateneo Consortium Technological, Information and Computing Sciences) / Member

Certifications, Trainings and Seminars

Google Data Analytics Professional Certificate / Achieved by full 9 Course Completion. /

- **Foundations: Data, Data, Everywhere /** 1 of 9 Courses on Google Data Analytics Professional Certificate
- **Ask Questions to Make Data-Driven Decisions /** 2 of 9 Courses on Google Data Analytics Professional Certificate
- **Prepare Data for Exploration /** 3 of 9 Courses on Google Data Analytics Professional Certificate
- **Process Data from Dirty to Clean /** 4 of 9 Courses on Google Data Analytics Professional Certificate
- **Share Data Through the Art of Visualization /** 5 of 9 Courses on Google Data Analytics Professional Certificate
- **Analyze Data to Answer Questions /** 6 of 9 Courses on Google Data Analytics Professional Certificate
- **Data Analysis with R Programming /** 7 of 9 Courses on Google Data Analytics Professional Certificate
- **Google Data Analytics Capstone: Complete a Case Study /** 8 of 9 Courses on Google Data Analytics Professional Certificate
- **Accelerate Your Job Search with AI /** 9 of 9 Courses on Google Data Analytics Professional Certificate

Y4iT 2018 (Youth Congress on Information Technology) / Attendee with Digital Certificate

Y4iT AWS Hackathon Day 1 and 2 / Participant and Attendee

Data Science Seminar (Organized by TACTICS and ADNU) / Attendee

Awards and Achievements

Best in Research (Senior High School) / Proponent

- Research was about the utilization of a historic park with the First Rizal Monument in the Philippines as a street food and events area

References

Christian Custodio / Department Head - College of Computer Science

Relationship: Direct Supervisor / Co-Worker

Address: Alawihao, Daet, Camarines Norte

Email: N/A **Contact Number:** 09123255023

Employer: La Consolacion College of Daet

Employer Address: F-Pimentel, Daet, Camarines Norte

Ian Caezar B. Abarca / College Professor - College of Computer Science

Relationship: Co-Worker

Address: Brgy. San Roque, Mercedes, Cam norte

Email: N/A **Contact Number:** 09853645229
Employer: La Consolacion College of Daet
Employer Address: F-Pimentel, Daet, Camarines Norte

Kathleen Panotes-Espiritu / IT Recruiter - Cloudstaff
Relationship: Cousin
Address: Molino IV Bacoor Cavite
Email: N/A **Contact Number:** 09624418030
Employer: Cloudstaff
Employer Address: Mandaluyong City, Philippines