

KIRT DEYNIEL BON

COMPUTER ENGINEER UNDERGRAD

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Skills

Languages: C/C++, C#, Python, SQL, HTML, CSS, Javascript, PHP, SQL

Technologies: Arduino, VS Code, Google Workspace, Microsoft Office, Figma, Git, Notepad++, Falstad, Google Collab, Pycharm, Sketchup, FreeCAD, Figma, Hostinger, XAMPP

Proficiencies: Microsoft Office, Google Workspace, Time Management, Creative Writing, Academic Writing

Experience

Team Lead of Website Development, ISTREL

October 2024 – April 2025

- Full-stack Development

Comparison of Numerical Methods for Solving Non-Linear Equations Using

Manual and Computer-aided Computations, PUP

June 2025 – August 2025

- Active author and POC to Inti International University
- Network Configuration and Administration
- Business Technology Setups (POS, WPS, Internet)
- Cybersecurity Assessment

Projects

Bonzieped - Numerical Methods Calculator and Plotter

(<https://github.com/AscalonBon/numericalMethods-Bonzieped-Program>)

- Developed a mathematical calculator for Newton-Raphson, Secant, and Bisection iteration methods
- Developed the program to be capable of plotting and calculating the roots for all methods
- Implemented a table in the UI to showcase the calculations for each method
- Added UI elements for ease of use

Image Processor using Fractional Fourier Transform

(<https://github.com/AscalonBon/ImageProcessor-ResearchProject>)

- Created the mathematical calculations used in the program using equations from documented mathematical journals
- Implemented the base code foundation for libraries used in the program and debugged the calculative aspects of the program
- Tweaked and debugged GUI Components

ISTREL Website

(<https://www.istrel.org/>)

- Lead Developer for the ISTREL Website
- Developed full-stack website complete with email, database, visuals and designing
- Handled the Hostinger domain and organization email

Pickup Inventory System

- Developed full-stack web application with CRUD implementation and admin and client side features
- Ensured implementation for database updating, historical records, and equipment data specifications
- Handled local deployment and ensured live-hosting support

Meetup Coffee System

- Co-developed full-stack web application for room reservation system
- Aided in debugging and fixing code, offering suggestions for bugs and errors

Clawsome Quest

- Developed the game-state manager, engine foundation, debugger and player control
- Developed the bulk of the combat mechanics, item usage, and battle commands
- Created basic pixel art, sprite sheet, and collision
- Creation of story plot and flow

Education

Polytechnic University of the Philippines – Bachelor of Science in Computer Engineering

2023 - Present