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Bill Jackson is a computer applications programmer in the Modeling and Simulation Group in the Computational Sciences and Engineering Division at Oak Ridge National Laboratory. He has a BS Engineering Physics, 1977 from the University of Tennessee, Knoxville

He has become proficient at learning new computing and technical languages as the need arises. Jackson has developed many tools including graphics capabilities, GUI interfaces and a variety of other procedures which have proven useful in several new applications by reducing the initial development time and improving the overall quality and appearance of the products.

Computer applications developed and/or used in research by Jackson include: WEB applications for data access and display, graphics, database queries and updates, password security, interactive systems and software distribution; GUI Windows-based data tracking systems; transportation modeling; atmospheric transport modeling for contaminant releases; modeling heat pump/air conditioning systems, mixed refrigerants, absorption systems, Stirling cycle systems; Heating and air conditioning loads and seasonal performance calculations for buildings; regional recruiting and retention potential modeling using demographics to determine military unit supportability; and regional disaster impact modeling. His expertise in computer programming languages and applications include: for WEB/unix (ORACLE, PL/SQL, SQL*Plus, HTML, Pro C, Java Script, AVS); for the PC (Visual C/C++, Visual Basic, Visual FoxPro, Access, Excel); and for all platforms (Java, Perl, FORTRAN, Assembler)

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