

James Christian Deen, Jr.
(B.S.Applied Physics, 1982)

Cell phone: 678 525 4922
Email: jcdeensgi@gmail.com

Employment Experience:

Php Engineer, Scientific Games 5/2011 - 6/2017 **Alpharetta, Georgia**

Minnesota 2nd Chance web site integration & maintenance: LAMP stack (Linux, Apache, Mysql, Php) Utilities; On-call production support; incident reports; Ubuntu Linux; data analysis/support scripts; MySql scripts; 3rd party site integration; Arkansas web page integration, site-maintenance, on-call production support; Eclipse & XDebug use; some jQuery; DHTML javascript to support VIP Club (brand loyalty web)

SciPlay development & defect resolution: C++ extension to Php; Php scripts & backend utilities; Debian Linux; typical Linux utilities such as SCP, SSH, Tar, etc. Documentation for Eclipse/XDebug use

Atlantic Lottery Ecommerce team: Third Party Workflow php classes; OpenBet API integration in Php using embedded cURL calls; IGT Bingo integration in Php via SOAP calls to in-house 3rd party services; C++ classes for Paysafe & other ecommerce integration; Swagger updates; jQuery; Jmeter

Contract Consulting 1/98 - 5/2011

- Spartan Resources: Custom MySQL Recruiter Database system written in PHP with DHTML & Javascript front end (web 2.0); corp web site maintenance & improvement; custom-built Jobs Listing CMS with MySQL backend integrated with Spartan's public web site; MySQL queries; Migration of MS-Access Payroll Database to PHP/MySQL; WAMP development to LAMP target
- Evolution Robotics: Development and presentation of hobby robotics GUI application using sockets communication, written in C++ on Windows platform (Visual Studio .Net 2003)
- AmazingRobotics.com: Website design, open source MySQL /PHP database/CMS package modification; parts distributor website automation using PHP; order fulfillment alerts
- Enfotrust: Created multithreaded Windows services using Visual C++ (Visual Studio .Net 2003): some Microsoft SQL Server; some XML; use of STL, MFC. Cross-platform development porting Windows client to Linux embedded computer
- Supercomputer Inc.: Multi-threaded cross platform game server code written in C++ using the ACE framework. Developed in Microsoft Visual C++ for Gentoo Linux target platform.

Senior Programmer Analyst, SITA 2/97 - 1/2003 **Atlanta, Georgia**

- Created command line & GUI utilities translating data from Airfare database to ITA format; extensive use of Microsoft Foundation Classes
- Responsible for majority of Swing GUI design for Java project (ARDIS) using IBM VisualAge for Java & Borland JBuilder Foundation. Some UML exposure, Use Cases.
- Creation & maintenance of departmental intranet web site, including Perl & PHP CGIs
- Platform independent development of C++ code for AirFares business application originally developed to run on Windows server & then ported to Unix & Linux
- Client / Server, Intranet server prototypes, and Intranet CGIs developed in Visual C++ both with and without MFC; Windows and Linux/Unix sockets programming (Visual Studio)
- Some support of legacy Microsoft Visual Basic & Microsoft Access database applications
- Oracle University training (Oracle Introduction; Oracle PL/SQL Programming Units)

Senior Systems Engineer, The Registry 2/96 - 9/96 **(Contract) Coca Cola account, Atlanta, Georgia**

- Multiple platform C/C++ programming for mobile devices using 80xx processors
- Handheld computers included Telxon and Norand platforms in Visual C++ on DOS target
- Intelligent Vending Machines project support
- Internal consultation for Borland C/C++;

Advanced Systems Engineer, Electronic Data Systems 4/95 - 2/96
IBM account, Boca Raton, Florida

- Resolved Windows 3.1 defects on OS/2 Warp for PowerPC - using disassembly of Windows executables
- Customer focal point for Win32s defects
- Development of SetSessionTitle OS/2 API's for the PowerPC for the MVDM server
- Development tools included IBM CSet++, IPMD and OS/2

Systems Integration Engineer, BDM Federal, Inc. 9/91 - 4/95
Huntsville, Alabama

- Project Manager at client's request for Jammer Analysis WorkStation (JAWS); Responsible for Acceptance Test Plan development and execution, and project management & tracking to meet a fixed budget. Equipment included Tektronix 3054 Digital Signal Processor, spectrum analyzer & other instrumentation. System was used to evaluate ALQ-184 jamming pod
- Windows GUI improvement for data acquisition and analysis system port to Windows NT
- Lead systems analyst for interrupt driven RS-232 serial communications and PC hardware diagnostic software written in C and C++ for testing of UARTs and PIC 8250. Borland C++ 3.1
- Lead programmer for data acquisition portion of Exploitation Test Support System which gathered data from Astromed strip chart recorder via GPIB, written using Borland C++ 3.1
- On-site test support & Senior Lead of several projects for Eglin AFB Air Warfare Center.
- Hardware/software system integration, instrumentation control, and GPIB interfacing for various projects

Senior Scientific Analyst, Thiokol Corporation 5/88 - 9/91
Huntsville, Alabama

- Designed and developed the PC based Thiokol Integrated Data Acquisition and Reduction system (TIDAR)
- Extensive in-house client interaction via client training, troubleshooting, and lab support
- Data acquisition and instrument control software in C and assembly language for MetraByte A/D cards
- Data reduction software written in FORTRAN. Data editor written in Microsoft QuickBASIC
- Successful reverse engineering of undocumented legacy data acquisition and reduction software and hardware
- PC systems level programming, trouble-shooting, and maintenance responsibilities

Programmer Analyst, Westinghouse Instrument Services 5/84 - 5/88
Atlanta, Georgia

- Software team member for automated test and simulation system for nuclear power plants
- System based on Fluke 1722A microcomputer/controller and GPIB interfaced instruments
- Real-time programming and interrupt processing for data
- Conception and implementation of CASE type tool for touch-screen user interface

Staff Scientist, Science Applications, Incorporated (SAIC) 6/82 - 4/84
Atlanta, Georgia

Scientific programming support & maintenance of FORTRAN chemical laser and kinetic energy weapons codes modeling gas dynamics and beam propagation studies.

Education

Bachelor of Science in Applied Physics, Georgia Institute of Technology
Associate of Science (Concentration in Electrical Engineering), Middle Georgia Junior College