

Vincent DeCampo

Software Developer - Engineering Support Personnel

Columbia, MD - Email me on Indeed: [indeed.com/r/Vincent-DeCampo/c649fb20509b1b80](https://www.indeed.com/r/Vincent-DeCampo/c649fb20509b1b80)

Authorized to work in the US for any employer

WORK EXPERIENCE

Software Developer

Engineering Support Personnel - Orlando, FL - May 2013 to Present

- Software developer using Visual C#, C++
- Develop software and systems for Windows-based Flight Simulators with Prepar3D
- Create flight logic and simulated avionics for cockpit displays
- Interface cockpit hardware with software systems with C++, C#
- Interface with Prepar3D using managed SimConnect APIs and C#
- Rehost simulators with newer avionics and Prepar3D
- Create microcontroller software to interface hardware avionics, buttons, and encoders

Software Developer

Track'Air - Kissimmee, FL - 2012 to May 2013

- Assist in the maintenance of legacy flight management systems
- Creating applications for the integration of SLR cameras into existing flight management system software
- Design and create software for flight management peripherals and guidance systems
- Software developer using C++, C#, Visual Basic
- Design and document projects using Microsoft Visio
- Develop USB Drivers and APIs for new products
- Extensive use of Win32 API, Threading, COM, TCP/IP, Device I/O, Sub-classing, Low-Level Hooks

Lead Software Developer

iTech Digital - Indianapolis, IN - 2001 to 2012

- Software developer using C++, VB6, VBNET, 32bit Assembler
- Assist in the design, planning, documentation, and implementation of projects using Microsoft Visio, Microsoft Project, and Subversion (SVN)
- Creating applications for embedded DVR security systems, and custom video applications for nationwide children's entertainment chain
- Troubleshoot and repair PCs and Laptops
- Install and maintain SOHO networks
- Extensive use of Win32 API, Threading, COM, TCP/IP, DirectX, Device I/O

Software Developer

View Systems, Inc - Columbia, MD - 1998 to 2001

Head of research & development for View Systems, Inc. developing DVR systems for security surveillance

- Coded bulk of software and organized outside contractor assistance
- Integrated video digitizers with 3rd party SDKs to create surveillance systems using Visual Basic and Assembler

Senior Systems Engineer

IQ Systems, Inc - Laurel, MD - 1994 to 1998

- Primary Network systems engineer and computer hardware specialist
- Responsible for maintaining customers LAN and Internet connectivity
- Implemented training course for customers

EDUCATION

BS in Software Engineering

University of Phoenix
2011 to 2013

AA

University of Phoenix
2009 to 2011

LINKS

<https://www.linkedin.com/in/vincent-decampo-7b6a2434>

ADDITIONAL INFORMATION

Special Skills

Windows Desktop/Server - Ubuntu Linux - Visual Studio - C++ - C#
.NET - Visual Basic - 32-Bit Assembler - Eclipse IDE - Microsoft Project - Visio -
SVN - Software Testing - Microsoft Office - MySQL - Networking & Infrastructure
VPN & Firewalls - Hyper-V - VirtualBox - PC Repair - Adobe Photoshop
Arduino - Prepar3D - SimConnect - FSUIPC - Avionics Simulation
SCRUM - Agile - Waterfall - UML

Notable Projects

- Interface and control software for CRJ-700 simulator, including instructor station software
- Interface and control software for Beechcraft B1900C/D simulator, including instructor station software
- Created simulated virtual Sandel ST-3400 TAWS/RMI
- Created simulated virtual BFG CD-605 TCAS display with controller
- Created virtual gauge library to create generic virtual steam gauges
- Created simulation of radio head of CRJ-700 functionality as well as interface actual radio control knobs/buttons
- Created control software for 2DOF motion seats in virtual cockpit
- Designed schematics and PCB design for microcontroller interface used in simulator projects