Ron DiNapoli

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Summary

A veteran systems level and mobile device programmer with experience in various levels of management and research in IT related fields as well as experience in lecturing at the collegiate level.

Programming Language Skills

Proficient in: C • C++ • Objective-C
Some project work using: Java • PHP • ODBC • Oracle/SQL • HTML • CSS

Professional Roles

Software Engineer • Product/Service Manager • Team Supervisor • Deputy Director • Acting Director • Sole Proprietor • Consultant, Subject Matter Expert • Lecturer

Areas of Technology Expertise

OS Level Programming • Mobile Device Programming • Computer Language Implementations • Client/Server Programming • Cross-Platform Programming • Authentication Systems • Apache Modules • Enterprise Architecture • Software Architecture • Unix/MacOS/Windows/iOS

Project Experience

iOS Calendar Applications • iOS Sports Whiteboard Applications • Prolog Systems • Web Authentication System • Software Distribution/Version Control System • PKI 2-factor Authentication • Proprietary 4GL Implementation • Telephone PBX/XWindow Application Integration • Programming Language Lecturing

Experience Highlights

Sandcrater Software (Ithaca, NY)   **March 2009 - present**

- Sole proprietor – independent iOS developer
    - Implement/deploy/maintain/support 7 iOS applications on AppStore
    - Provide consulting services as subject matter expert in iOS development

Cornell University   **January 1997 - present**

- Computer Science lecturer (8/99 – present)
    - CS 2024 (C++ Programming) Fall/Spring 1999-2003, Fall '04, Fall '07-Fall'12
    - CIS 4002 (Projects in Advanced Game Design) Spring 2008, Spring 2009
    - CS 1130 (Transition to Object Oriented Programming) Spring 2013
- Acting Director, CIT Advanced Technologies and Architecture (7/2009 – 9/2011)
    - Managed divisional budget

- o Led multiple cross-university committees on technology issues
    - ▪ Microsoft Architecture (including Central Active Directory and SharePoint)
    - ▪ Software/Enterprise Architecture
- ■ Deputy Director, CIT Advanced Technologies and Architecture (4/2007-6/2009)
    - o Service Manager for Cornell's iOS Enterprise Developer program
    - o Implemented/deployed/supported iOS Calendar application which communicated with central Calendar service (Oracle Calendar)
    - o Filled in as director in absence of CIT/ATA director.
- ■ Programmer/Analyst, Lead, CIT Advanced Technologies and Architecture (12/2004-4/2007)
    - o Software Engineer tasked with investigating new technologies and evaluating their applicability to campus. Led investigation into 2-factor PKI based authentication that included writing hardware token integration software for MacOS systems.
- ■ Programmer/Analyst, Lead, CIT Identity Management (7/2003 – 12/2004)
    - o Promoted to "Lead" role and switched focus exclusively to managing authentication and authorization systems in use at Cornell (and managed staff assigned to these services)
- ■ Programmer/Analyst, Specialist, CIT Integration and Delivery (1/1997-7/2003)
    - o Managed Authentication team (3-6 individuals), product/service manager for authentication software and services including a custom web authentication system.
    - o Product/Service Manager and Software Engineer for custom version control/software distribution product used by over 40,000 at Cornell.

SpaceWorks, Inc.   **June 1995 – December 1996**

- ■ Product Manager and principal Software Engineer for "SpaceWorks Client" for the Macintosh (7/1996-12/1996)
- ■ One of two Software Engineers tasked with implementing company's proprietary 4GL ("SpaceWorks Client") for Macintosh (6/1995-6/1996)

The VERTEK Corp. (Summit, NJ)   **June 1993 – June 1995**

- ■ Provided consulting services to area clients using (predominantly) C programming language
- ■ Sole Software Engineer working on "Telephone PBX/XWindow Application Integration" for client.

Applied Logic Systems, Inc. (Syracuse, NY)   **October 1987 – April 1993**

- ■ Product Manager and principal Software Engineer for "ALS Prolog" for the Macintosh (6/89 – 4/93)
- ■ Part time C programmer (10/87 – 6/89)

Education

Syracuse University, Syracuse NY

Bachelor of Science, December 1991
School of Computer and Information Science
College of Arts and Sciences
Dual Major: Computer Science (BS)/Mathematics(BA) GPA 3.39/4.0