

Phi Vu  
work: (310) 393-0411 x6890  
philaccd@yahoo.com

## Physics/Astronomy Instructor

**OBJECTIVE** To obtain a position of physics/Astronomy instructor where my presentation, interaction, and organizational skills can be applied to the fullest potential.

**COMPUTER SKILLS** Operating Systems: Window 2000, Windows NT, Windows 98, UNIX, VMS/MVS, Mac.  
Database Systems: Oracle 8i DBA, Microsoft SQL Server 2000, Microsoft Access.  
Languages: Sun Certified Java 2 Programmer, JSP, ASP, VBScript, JavaScript, FORTRAN, C, C++, Perl/CGI.  
Servers: Microsoft IIS, BEA Weblogic, Oracle9iAS, Jakarta Tomcat, Apache, iPlanet.

**EXPERIENCE** **Research Analyst/Programmer** RAND Santa Monica, CA  
9/2001 –  
Conducting research in the area of mathematical and dynamic programming to study consumption and wealth patterns of the retired elderly in the United States using Fortran and C++.  
Conducting research in the areas of modeling and simulation of next generation advanced tactical weapons for the Army Arroyo Center using Redhat Linux and C.  
Developing web applications for the Army Force Development and Technology Program using J2EE technologies such as Java, EJB, JSP, ASP, JavaScript, XML, and SQL.

**EXPERIENCE** **Instructor** (40% FT) ITV of LACCD Sylmar, CA  
1/2003 – Present  
Astronomy 1  
Conducting a weekend-class-meeting and television/web-based course in elementary astronomy for ITV of the LA Community College District.  
**Instructor** (adjunct) Mt. San Antonio College Walnut, CA  
1/2005 – 5/2005  
Astronomy 5  
Conducting a course in elementary astronomy  
**Instructor** (adjunct) Rio Hondo College Whittier, CA  
1/2005 – 5/2005  
Physics 120  
Conducting a general education physics course covering classical mechanics, fluid mechanics, waves, and thermodynamics.  
**Instructor** (adjunct) Cypress College of NOCCCD Cypress, CA  
3/2004 – Present  
Astronomy 116  
Conducting a course in elementary astronomy.  
**Instructor** (adjunct) ITT Tech Sylmar, CA  
9/2004 – 12/2004  
IT 218 Java Programming  
GE 253 Physics  
Conducted a course in Java programming and another course in non-calculus based physics covering classical mechanics, fluid mechanics, waves, and thermodynamics.  
**Instructor** (adjunct) Valley College of LACCD Valley Glenn, CA  
1/2002 – 6/2002  
Physics 39  
Conducted the third semester calculus-based physics course covering thermodynamic, optics, and quantum mechanics.  
**Instructor** (adjunct) West L.A. College of LACCD Culver City, CA  
1/2001 – 12/2001

Physics 6/Astronomy 1

Conducted courses in elementary astronomy and the first semester non-calculus-based course in physics covering classical mechanics and fluid dynamic.

**Web Technology Consultant** (Contract)

Object Systems Inc

Santa Ana, CA

1/2001 – 8/2001

Developed/Performed implementation for the eCRM application/service using J2EE technologies such as Java, EJB, JSP, ASP, JavaScript, XML, and SQL.

Integrated and developed web-based components of Financial Operational systems with J2EE technologies.

Created web application models, methods, and tools that allow others to easily develop and integrate projects into existing web contexts.

Designed and developed visual and functional specifications for Internet, intranet and extranet web sites using Dreamweaver, Adobe Photoshop, and Visio.

Developed project plan, design specification, test plan according to all phases of the software development life cycle (SDLC) and UML methodology.

Coordinated, monitored, and integrated project implementations.

**Product Manager/Senior Web Developer**

PrintNation

Irvine, CA

7/1999 – 12/2000

Developed, maintained, and enhanced state of art website using Java, JSP, ASP, SQL, JavaScript, VBScript:

- Designed and developed marketing and promotions for the website using ASP, VBScript, JavaScript, SQL, Java, JSP.
- Designed and developed company's financial reconciliation using Java, JSP, SQL.
- Designed and developed the auction appraisal process using ASP, SQL, VBScript, JavaScript.
- Designed and developed warehouse solution using ASP, SQL, VBScript, JavaScript.
- Designed and developed the papers store using ASP, SQL, VBScript, JavaScript.
- Designed and developed personalization and customer solution using Java, JSP, SQL.
- Designed and developed extranet solution using Java, JSP, SQL.
- Analyzed the user requirements, prototyped the software using Visual BASIC

Project Manager of the marketing team that developed and executed company's online marketing and promotions.

Project Manager in charge of supporting internal customer representatives with any reported difficulties and errors of the website.

**Research Assistant**

University of California at

Riverside, CA

4/1997 - 6/1999

Riverside

Analyzed financial data using Fortran, C and various statistical packages for the Anderson School of Management.

Conducted research on analytic option pricing models and financial market efficiency at UCR Anderson School of Management.

Completed the MBA Thesis: "The Effect of Dividend Yield on Proxy Fights and Tender

Offers".

**Research Assistant** University of California at Riverside, CA  
9/1994 - 6/1995  
Riverside  
Wrote programs in Fortran and C/C++ to analyze and simulate results from particles collision experiments for the UC Riverside Physics department.

**Research Assistant** MIT Cambridge, MA  
9/1992 - 8/1993  
Used Fortran and C/C++ to analyze particle detector's efficiency for the MIT Laboratory Nuclear Science.

Conducted superconductor experiments for the MIT Center of Material Science and Engineering.

## EDUCATION

MBA Finance and MIS University of California at Riverside, CA  
6/1999  
Riverside

M.S. Physics University of California at Riverside, CA  
6/1996  
Riverside

B.S. in Physics MIT Cambridge, MA  
8/1993

## PERSONAL

U.S. Citizen with Top Secret Security Clearance.

Fluent in Vietnamese as a native language.

Enjoy reading, watching basketball, and playing tennis.

## REFERENCES

Available upon request.