

JULIET CB CHRISTOPHER

jcbchristopher@me.com *Additional contact information is available upon request.*

PROFILE

- Computer science tutor with over 30 years of programming experience and teaching experience over a span of 20 years
- Independent consultant implementing database-enabled dynamic Websites for 20 years, now specializing in Ruby on Rails
- iOS and Android app developer for fun

TEACHING EXPERIENCE

Freelance Tutor, WyzAnt Tutoring; Remote — 2012–Present

Tutoring one-on-one for computer science fundamentals through undergraduate and graduate school computer science topics.

Adjunct Instructor, Delaware County Community College; Media PA — 2011–2022

Business, Computing, and Social Sciences Division

Taught sections of 10-20 students in-person and up to 30 students online in Introduction to Information Technology, Introduction to Computer Science, Programming for the Web, and iOS App Development, and Digital Portfolio Development.

Visiting Assistant Professor, DePaul University; Chicago IL — 1999–2002

School of Computer Science, Telecommunications, and Information Systems (now known as College of Computing and Digital Media)

Taught sections of 20-30 students in Principles of Computer Science I & II, Programming in Java, Concepts of Programming Languages, Analysis and Design Techniques, and Survey of E-Commerce Technology.

Teaching Assistant, University of Pennsylvania; Philadelphia PA — 1994–1995

Computer & Information Science Department in the School of Engineering and Applied Science

Taught 3 computer lab recitation sections for Introduction to Programming over two semesters, with each recitation section being two hours per week with approximately 25 students; served as Head T.A. for first semester, coordinating graders and T.A.s and helping to develop class material.

Laboratory Teaching Assistant, Massachusetts Institute of Technology; Cambridge MA — 1991–1992

Electrical Engineering and Computer Science Department in the School of Engineering

Helped students working on laboratory assignments for the course “Structure and Interpretation of Computer Programs”.

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OTHER EXPERIENCE

Programmer, Prograph Management Systems; Pittsburgh PA — 1992–1993

Developed database applications for publishing and printing companies, using Paradox Application Language as well as C.

Student Researcher, Massachusetts Institute of Technology; Cambridge MA — Summer 1991

Undergraduate Research Opportunities Program, Cognitive Sciences Lab

Ran human language and memory experiments, assisted in developing new experiments, and analyzed results using an ANOVA program.

Student Assistant, Massachusetts Institute of Technology; Cambridge MA — Summer 1990

Library Systems Office

Performed computer-related clerical and data-entry tasks, including routine backups, to maintain library files.

Research Assistant & Technician, Texas Instruments; Dallas TX — Summers of 1989 & 1988

Corporate Student Summer Program

Developed a portable pathname parser and converter in Common Lisp. Assisted in the development of a library of classes in C++.

EDUCATION

University of Pennsylvania, Philadelphia PA — Doctor of Philosophy, 1999

Computer and Information Science

Dissertation: "Generating Effective Natural Language Instructions Based on Agent Expertise"

University of Pennsylvania, Philadelphia PA — Master of Science and Engineering, 1994

Computer and Information Science

Course highlights: Programming Languages and Techniques; Analysis of Algorithms; Theory of Computation; Intro to Logic & Complexity

Massachusetts Institute of Technology, Cambridge MA — Bachelor of Science, 1992

Computer Science and Engineering

Course highlights: Structure and Interpretation of Computer Programs; Computation Structures; Computer Language Engineering; Automata, Computability, and Complexity; Laboratory in Software Engineering