



John C. McGarvey

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Teaching Credentials

- State of California Administrative Service Authorization: 2005
- State of California Single Subject Clear Credential (Authorization History)
 - AB 2913 ELD/SDAIE (Authorization: 2007)
 - Supplementary Credential (Authorization Computer: Applications)
 - Vocational Clear Credential (Authorization: Telecommunications)

Achievements

- Earned the [College Board AP Computer Science Female Diversity Award](#) for high female representation in AP CSP, contributing to gender parity in CS education
- Two of my students have achieved [perfect scores on the AP Computer Science Principles exam](#), awarded to less than 1% of test-takers.
- Faculty Recognition: 94.7% AP Exam Pass Rate, 2019
- District Teacher of the Year: 2012, Bonita Unified
- Teacher of the year: 2012, Bonita High School
- Teacher of the Month: Bonita and San Dimas High Schools: 2019, 2011, 2003, 1999, 1995 and 1994

Memberships

- CUE, Computer Using Educators
- CSTA, Computer Science Teachers Association
- CTA, California Teachers Association
- CFA, California Faculty Association

Education

Doctor of Education, Educational Leadership and Administration 2010

University of California, Irvine, CA | California State Polytechnic University: Joint Ed.D. Program, Pomona, CA

- Dissertation: "Blackboard vs. MySpace: Tracing Urban Adolescent Identities and Literacy Practices within Class and out-of-Class Online Communities", published ProQuest, 2010, ISBN-978-1-1242-6304-5
- Research Interests: adolescent literacy practices, increasing equity and access to Computer Science to underrepresented adolescents, gamification and learning, and effective instructional strategies for teaching programming to adolescents

Master of Arts, Educational Technology 1994

Azusa Pacific University, School of Education, Azusa, CA

- Comprehensive Board and Exam: Impact of Telecommunications on K-12 Education

Bachelor of Arts, History, and International Studies 1991

Azusa Pacific University, Azusa, CA

- Magna Cum Laude and Alpha Chi, 1991
- Outstanding Graduate Awards, History and International Studies, 1991

Teaching Experience Secondary

Computer Science and Graphic Design Teacher 2008–Present

Bonita High School, Bonita Unified School District, La Verne, CA

- Department Chair, Electives Department, 2011-2022
- Implemented and taught AP Computer Science Courses (CSA & CSP)
- Developed and taught computer design curriculum: Graphic Design, Web Design and Development, Game Design and Development, and Introduction to Computer Science
- Designed, piloted, and implemented school website redesign: www.bonitahigh.net

Summer School Teacher 1994–2020

Administered by Mt San Antonio College and Bonita Unified School District

- Classes taught: U.S. History, Introduction to Computer Applications, Game Design, and World History

Social Science and Electives Teacher 1992–2008

San Dimas High School, Bonita Unified School District, San Dimas, CA

- Established an integrated Freshman Core with several cross-curricular projects: Archeological Dig, Orienteering, and the Award-Winning Mono Lake Living Lab
- Implemented one of the first ROP / Web Design Courses in LA County, 1996-2008
- Taught Advanced Placement World History, 2001-2008
- Journalism Teacher and Advisor: reestablished school newspaper (The Halo).
- Mentor Teacher (1996-2000) – worked with new teacher induction and staff training

Technology Coordinator / Curriculum Specialist 1995–2005

San Dimas High School, two period release (2002-2005), San Dimas, CA

- Worked with faculty to infuse technology into the curriculum
- Helped oversee staff development committee and plan staff development
- Responsible for training teachers, evaluating software, and purchasing equipment
- Designed and developed web-based content management system that teachers used to post lessons, homework and communicate with parents and students

Independent Study Teacher 1995–1998

Sierra Vista High School, Whittier Union High School District, CA

- Individualized teaching and counseling to an at-risk student population during evenings for two nights a week

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Technical Skills

Web Development Skills

- Over 25 years' experience
- Proficient in Client-Side Scripting: HTML 5, CSS and JavaScript
- Proficient in Server-Side Scripting: PHP, MYSQL database management
- Web Server Management and Moodle Learning Platform Server Management (since 2002)

Programming Skills

- Java, Python, JavaScript, and SNAP!
- Algorithmic Thinking

Graphic Design Skills:

- Design and Color Theory
- Photography
- Photoshop CC
- Illustrator CC
- Corel Painter
- 2D Animation / Multimedia: Adobe Flash / Animate
- 3D Design: Sketch Up and Blender

Game Design Skills

- Game Design Theory
- Game Maker Studio IDE

Related Work

Web Designer /

Consultant

- Web programmer and web designer for Bonita Unified School District high schools, Bonita Unified Teachers Association, various small businesses, and personal websites
- Maintained and updated school website for high school learning community
- Implemented customized solutions and installed WordPress and Joomla content management applications
- Maintained Moodle Learning Management System Server

Higher Education Experience

Lecturer

2001–Present

California State Polytechnic University, College of Education and Integrative Studies, Master's in Educational Multimedia and Department of Education, Pomona

- Developed syllabus and overall course structure, including weekly labs and administered all assessments
- Classes taught: Theory and Practice of Teaching Elementary Social Science, Foundations of Teaching and Learning, Clinical Practice Seminar for Single Subject, Educational Website Design and Development Courses, Game Design for Educators, Graphic Design and Animation, Design and Production of Educational Multimedia, and Foundations of Educational Computer Literacy

Mentor Teacher

Summers 2017–2019

Claremont Graduate School, School of Education

- EDUC 302a: The Pre-Teaching Experience
- Modeled best instructional practices and mentored teaching candidates in 5-week clinical teaching experience in a World History classroom

Adjunct Professor

1997–2005

Azusa Pacific University, School of Education, Master in Educational Technology

- Taught online, hybrid, and face-to-face classes in Educational Technology
- Classes taught: Emerging Trends in Educational Technology, Global Learning and Tele-collaboration, Web Design for Educators

Paid Graduate Research Internship

2004–2005

Cisco Systems, Bill Fowler, Director of Global Education, Irvine

- Provided research for his presentations on "Global Outcomes, Efficiency and Productivity" and "Solutions for 21st Century Schools" as part of Cisco Business Solutions Group

Certifications

Learning How to Learn, [Coursera Certificate](#)

2023

- Applied neuroscience to effective teaching strategies, emphasizing the importance of how the brain processes information to facilitate more effective learning.

CSAwesome Summer Extended Professional Development in Java 2021

Trainee, St. Scholastica College

- Completed 65 hours of professional development training in how to teach Java

Using the Active Learning Cycle in Online Courses ([badge](#)) 2020

Trainee, Association of College and University Educators (ACUE)

- Completed 6-module training on how to foster Active Learning through distant learning

Adobe Creative Educator Certificate 2020

- Completed critical thinking and creativity course where learner leverages their skills to foster creativity into the education process through teaching & learning practices

Teaching Remotely: A Practical Guide, NC State 2020

- Completed 10 hour training on best practices, resources and strategies to set up Remote Learning Classroom

Beauty and Joy of Computing (BJC) Summer Institute 2016

Trainee, Harvey Mudd College, Claremont, CA

- Completed two week training on how to implement an Advanced Placement Computer Science Principles curriculum using a block based programming language (SNAP!)

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Projects

Smudge Pot Site (site), 2022

- Worked with team of high school students to research the 50-year football rivalry between San Dimas and Bonita High Schools
- Designed, developed, and published website: live in Summer 2022

Bonita High (site), 2015

- Worked with developer on the redesign and implementation of a new school website
- Trained staff on website to increase communication with students, staff, and parents

Site Redesign (site), 2009

- Designed, developed, and trained Bonita high school staff on how to add data to a PHP/MySQL based school web site

Moodle Server (site), 2002-2022

- Implemented, trained, and administered Moodle Learning Management Server for San Dimas High, Bonita High School, and personal server

Thesis Statement Creator, 2001

- [Programmed website](#) on how to write a thesis statement: [Top Google Page Rank](#)

San Dimas High (site), 2001

- Developed innovative PHP/ MySQL based school website that allowed each teacher to post homework, assignments, and lesson plans

Mono Lake Living Lab -San Dimas High, 1999

- Spearheaded a yearlong interdisciplinary project with SDHS CORE examining water politics, culminating in a 4-day field research trip at Mono Lake and publication of findings on water salinity and water levels.

Presentations / Trainings

Educational Implications of ChatGPT (pdf) 2023

Trainer, Bonita High School Staff Development Day, La Verne, CA

- Trained high school staff on impact of AI on student work and teacher productivity

Secondary Canvas Training: Using Canvas in Distance Learning (pdf) 2020

Trainer, Bonita Unified District Staff Development, San Dimas, CA

- Developed and delivered one-hour online training session on how to implement micro videos to encourage active learning in Canvas LMS for Secondary Teachers

Make Learning Computer Science at Any Grade a "SNAP!" 2017

Co-Presenter, National CUE Conference Session, Palm Springs, CA

- Co-led a hands-on session with SNAP! a drag-and-drop programming language which focused on applications for teaching Computer Science to adolescents

Developing Mobile Augmented Learning Experiences (pdf) 2016

Trainer, Bonita Unified BETA Conference, Bonita High School, La Verne, CA

- Led training session on the use and development of mobile augmented reality learning experiences using the ARIS platform and mobile application

Redesigned, Implemented and Trained Staff on School Website 2015

Committee Chair and Trainee, Bonita High School, La Verne, CA

- Lead multiple staff trainings on how to use and integrate school website to increase communications between students, staff, and parents

Using a School Site Content Management System 2009

Presenter, Bonita High School, La Verne, CA

- Designed, developed, and trained high school staff on how to add data to a school site

Board Presentation: Cal Poly Pomona Research Symposium 2009

Researcher, Cal Poly Pomona, Pomona, CA

- Presented initial findings from dissertation research on adolescent identity formation and literacy practices in online communities

Implementing a Paperless Classroom: Moodle Training 2002

Trainer, San Dimas High School, San Dimas, CA

- Implemented and trained a high school staff on how to use a Learning Management System to support hybrid instruction in a face-to-face classroom

Increasing Parent and Student Communication 2001

Developer and Trainer, San Dimas High School, San Dimas, CA

- Implemented and trained a high school staff on how to use new school website to increase communications between parents and staff

Digital High School Staff Development 1999–2001

Trainer, San Dimas High School, San Dimas, CA

- Designed and implemented a 30-hour staff development program to train 60 high school teachers on basic computer use

Information Literacy and the Internet 1999

Trainer, Bonita High School, La Verne, CA

- Presentation to the faculty of Bonita High School on to use the Internet as a tool to foster creativity, critical thinking, and information literacy

Using the Internet in the One Computer Classroom 1999

Presenter, East San Gabriel CUE conference, Covina, CA

- Reviewed instructional strategies and resources for integrating use of the Internet

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Grants

La Verne / San Dimas

Educational Foundation Grant:

- Researched, designed, and published website with a team of students celebrating 50 years of the Smudge pot football game: 2022
- District wide grants for implementing technology in Social Science classroom: 1998 and 1999

PC Day Grant:

- Received eight computers to integrated technology into a World Cultures classroom for a statewide competitive grant: 1998

International Experience

European Cultural History Tour, Eastern Michigan University, 1990

- Participated in an academic travel program across Eastern/Western Europe, the Soviet Union, and the Middle East, focusing on history, politics, literature, and art with a group of 30 students and 3 professors.

Anti-Apartheid Activist

- Led student team on cultural exchange in South African townships (Summers 1989, 1990)
- Volunteered for Koinonia meal sharing initiative in South Africa (Summer 1989)
- Participated in Nelson Mandela protest, London (Summer 1989)
- Organized Los Angeles protest at South African Consulate (January 1990)
- Coordinated student attendance at Mandela Rally, Los Angeles Coliseum (June 1990)

Presentations / Trainings

PowerPoint for Educators

1997

Presenter, San Dimas High School Staff Development Day, San Dimas, CA

- Trained staff of San Dimas High school how to prepare and delivery Power Point presentations

Integrating Internet Training for Educators

1996-1997

Technology Teacher Leader, LA County Office of Education, Cadre 4

- Used the "train the trainer" model and instructed 15 teachers at Lone Hill Middle School and San Dimas High School on how to integrate the Internet into their curriculum

Computer Applications for the Social Science Classroom

1996

Trainer, San Dimas High School Social Science Department Teacher Leader

- Trained the Social Science teachers on how to integrate several pieces of software to meet state Social Science standards and support the curriculum

Committee Work

Department Chair School Leadership Committee

2011-2022

Electives Department Chair, Bonita High School

- Attended monthly meetings and advised school administration on policy decisions
- Organized department meetings and professional development for department compact days, responsible for department budget, implemented school policy within department, liaison between electives teachers and school administration
- Helped secure and allocate funding for CTE and the Visual and Performing Arts programs within the department

Interview Panels

1999-2021

- Member on various interview panels that have hired teachers, assistant principals and principals at Bonita and San Dimas High Schools.

WASC Committee

2011, 2017

Focus Group Co-Chair, Organizational Leadership, Bonita High School

- Chaired meetings, led discussions and research on sub section of WASC report
- Six-year clear accreditation (less than 1% of schools statewide earned this distinction)

Technology Committees (San Dimas and District)

1994-2008

Committee Chair (2002-2005), San Dimas High School, San Dimas, CA

- Developed San Dimas High Technology Plan and represented San Dimas High School on District Technology Committee
- Researched and wrote Staff Development section of the Digital High School grant
- Collaborated on the District Technology Plan and K-12 Pacing Guides for technology

Professional Development Committee

1995-2008

Committee Chair 2002-2008, Member, 1995-1999, San Dimas High School

- Responsible for planning and implementing professional development for late start and buy back days for high school staff

District Social Science Curriculum Committee

1996-2002

Member, San Dimas High School Representative

- Aligned k-12 curriculum with new State of California Social Science Standards
- Reviewed and adopted standards aligned textbooks and support materials
- Wrote, proposed, and implemented new 9th grade Geography course that integrated multicultural education