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# Resume Items for Greg Colello

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**CURRENT ADDRESS:**

4 Monte Alto Way  
 Santa Fe, NM 87508  
 505-231-1382 (mobile)  
 gcoello@comcast.net  
<http://www.scibizsw.com>

**EDUCATIONAL ITEMS (Chronological Order):**

**1969:** High School Diploma; Troy High School, Troy, OH.  
**1975:** B.S. Chemistry and B.S. Psychology; Wright State University, Dayton, OH.  
**1979:** Ph.D Pharmacology; "Benzodiazepine Receptor Studies" (thesis), University of Rochester, School of Medicine and Dentistry, Rochester, NY.  
**1980:** Post-Ph.D; "Endogenous Valium Receptor Polypeptide Research"; Biomedical Institute, Univ of Texas, Austin, TX.  
**1990-1997:** Post-Ph.D; "Global Climate Modeling"; Carnegie Institution of Washington, Department of Plant Biology, Stanford University, Stanford CA.  
**2004-2008:** Supplemental Education; "Imaging, Audio/Video, and 3D Animation Applications"; Santa Fe Community College (SFCC), Media Arts Department, Santa Fe, New Mexico.

**WORK ITEMS (Reverse Chronological Order): {"..." = Ongoing}**

**2019... (Technician, Full-Time Employee):** *Capitol Computer and Network Solutions, Santa Fe Region, New Mexico.* Shop bench technician doing all aspects of computer repair, digital device system administration, and related retail customer service. Old and New Digital Hardware and OS's; Apple, Windows, Linux, Networking.

**2018 (Part-Time Employee):** *Unisys Dell Warranty Repair, Santa Fe Region, New Mexico.* Two months Training; Repaired: Latitude 5450, E5570; Precision 3510, 7510, 7520, 7710, 7720; Optiplex 3040, 5040, 5050MT, 7040, 7040SFF, 9020.

**2017-2018 (Consultant):** *Computer Helper for Seniors, Santa Fe, New Mexico.* Home Networks, Computers, Cell Phones, Printers. 10 customers.

**2017-2018 (Instructor):** *Computer Technology for Seniors, Eldorado Senior Center, Santa Fe, New Mexico.* Web Browsers, Cell Phones, Networks, Peripherals, OS/Apps Configuration, Self-Empowerment. 15 students.

**2014-2015 (Member):** *Voting Member Of The Santa Fe County US 285 South Highway Corridor District Planning Committee, Santa Fe, New Mexico.* Land Use Decisions. Compromise Process. Concerning 50 businesses, 4000 residents.

**2012-2015 (Board Director):** *Community-Elected Board Director, for Eldorado Community Improvement Association (ECIA), Santa FE, NM.* Community Management. 7000 residents.

**2012 (Solar Advocate):** *PNM Customer Electricity Usage Analysis For The 87508 Zip Code To Estimate Required Solar Farm Size, Ally With Santa Fe Sierra Club, Santa FE, NM.* Monthly PNM Customer Data Extract, Microsoft Excel, Java 8.

**2011-2017 (Sustainability Advocate):** *Member of Sustainable Eldorado Residents Alliance (SERA), Eldorado/285 Recycles (E285R), and 285 Alliance (285ALL) Groups, Santa FE, NM.*

**2006... (Business Owner):** *Owner/President of Science Business Software, Inc.* Environmental Simulation Software. Java 8u213, Swing/FX/3D, Windows XT/7/8/10, Apple MacBook Pro OS-X 10.15, iPhone 7 iOS 13.1.3.

**2005 (Employee):** *Chemistry Tutor, Santa Fe Community College (SFCC), Santa Fe, New Mexico.* Overviews, Homework. 50 students overall.

**2004-2008 (Volunteer):** *St. John's Soup Kitchen, St. John the Baptist Catholic Church and Parish, Santa Fe, New Mexico.* Cook, Delivery.

**2004-2008 (Volunteer):** *The Food Depot, Santa Fe, New Mexico.* Sorter, Delivery.

**2001-2004 (Participant):** *Non-Voting Member Of The Santa Fe County US 285 South Highway Corridor District Planning Committee, Santa Fe, New Mexico.* Land Use Decisions. Heated Debates.

**2001-2017 (Permanent Disability Sick Leave):** Underwent Abdominal Cancer Surgeries and Therapies Over 5 Year Period. Still

affected.

**1999-2001 (Employee):** *Program Leader, National Center for Genome Resources (NCGR), Santa FE, NM.* Java 1.5, Swing, Sun Solaris Multi-CPU, Linux, Windows, GCG, Blast, Open Source development. GeneX Gene Expression Microarray Data Storage/Analyzer Development. Managed 7 employees and 3 consultants.

**1999 (Employee):** *Bioinformatician, Stanford Medical Center, Department of Infectious Diseases, Dr. Peter Small Tuberculosis Lab, Stanford, CA.* Molecular Fingerprint Analyzer, Java 1.1, Visual Basic.

**1998-1999 (Consultant):** *Owner, Science Business Software DBA, Mountain View, CA.* Perl, CGI, Linux-Apache-WebServer, Java Chat, Protein 3D Database, C, RFLP Fingerprinting, Visual Basic. 5 major clients.

**1997-1998 (Employee):** *Bioinformatician, Functional Genomics Researcher, Mendel Biotechnology, Hayward, CA.* As SysAdmin: Set up a Sun/W95/NT/Mac 100BaseT Intranet and company Telephone System. As Plant Functional Genomics Software Developer: Perl, CGI, HTML, Java, C, Oracle, MS Access 97, Visual Basic, DNA Sequence Analysis, Pangea/Incyte/OxfordMolecular Software, Blast, GCG, T-DNA Experimental Data.

**1990-1997 (PostDoctoral Fellow):** *Global Climate Change Scientist, Postdoctoral Research Associate, Carnegie Institution of Washington, Department of Plant Biology, Dr. Joseph A. Berry Lab, Stanford, CA.* ObjC, C, Fortran77, Matlab, Mathematica, Windows, Solaris, NeXT, Earth Satellite DB's, NASA EOS Program, CSUGCM; Kansa Konza Prarie, Canadian Boreal Forest, and Biosphere 2 Ecosystem Simulations.

#### DR GREG'S WAY BACK MACHINE WORK EXPERIENCES:

**1990-1991 (Consultant):** *Technical Writer, Eastman Kodak, Technical Publications, Rochester, NY.* Apple MacIntosh SE30, Word. Technical Documentation of the KAR Microfiche System for the State of Michigan.

**1989-1990 (Employee):** *Manager of Systems Test Engineering, ARIX Corporation, San Jose, CA (defunct).* Unix/OS. Multi-CPU custom-built mini-computers. Managed 12 employees.

**1988-1989 (Employee):** *Software Quality Assurance Engineer, Fujitsu Microsys of America, San Jose, CA.* Pick/OS. Custom-built mini & personal computers.

**1986-1988 (Employee):** *Software Systems Engineer, Ultradata Corporation, Pleasanton, CA.* Pick/OS, Data/BASIC. Credit Union Banking software.

**1985-1986 (Contractor):** *Software Systems Engineer, Eastman Kodak, BIS, Rochester, NY.* Pick/OS, Data/BASIC. KAR Microfiche System software.

**1984-1985 (Contractor):** *Software Systems Engineer, Rotelcom Data Inc., Fairport, NY.* IBM PL/1. Telephone Billing System software.

**1983-1984 (Consultant):** *Software Systems Engineer, Hartman Material Handling, Victor, NY (defunct).* DEC PL/1. Automated Warehousing software.

**1980-1983 (Consultant):** *Software Systems Designer, Xerox Corporation, Rochester, NY.* Sharp APL. Management software for Xerox World Headquarters. Handled all phases of software production. Managed 2 employees.

**1980-1980 (PostDoctoral Fellow):** *Biomedical Researcher, "Endogenous Valium Receptor Polypeptide Research", Biomedical Institute, Univ of Texas, Austin, TX (with Dr. Karl Folkers).* Cell-Receptor Assays, Sephadex Gel Filtration.

**1975-1979 (Doctoral Fellow):** *University of Rochester, School of Medicine and Dentistry, Rochester, NY.* DEC8-Assembly, DEC9-Fortran, DEC10-APL, Neurophysiology Experiments, Cell-Receptor Assays.

**1975-1979 (Employee):** *Summer Research Employee, "Opiate Peptide Research", Pennwalt Pharmaceuticals, Rochester, NY.* Rat Hot Plate pain-mitigation assessments, Brain Canula peptide injections.

#### REFERENCES BY CATEGORY: {Work Role: [ReferencePerson (Relationship); Miscellaneous Contact Info]}

##### 1. GLOBAL CLIMATE MODELING

*Scientific Simulation Programmer:* [Joe Berry (Supervisor); Acting Director, Carnegie Institution Global Ecology, Stanford, CA, (650) 646-3830, jberry@carnegiescience.edu, <http://dge.carnegiescience.edu/labs/berrylab>].

*Scientific Simulation Programmer:* [Chris Field (Close Collaborator); Director, Stanford Woods Institute For The Environment, Stanford, CA (650) 736-4352, <http://woods.stanford.edu/about/woods-faculty/christopher-field>].

##### 2. BIOTECHNOLOGY

*Bioinformatician:* [Chris Somerville (Supervisor); Board President, Mendel Biotechnology, (650) 722-3397, berkford2@gmail.com].

*Bioinformatician:* [Callum J. Bell (Supervisor); President, National Center for Genome Resources, (505) 982-7840, <http://www.ncgr.org>].

##### 3. TEACHING

*Volunteer Instructor of Information Technology for Seniors:* [Teresa Casados (Supervisor); Director, Santa Fe County Senior Services, (505) 992-9848, tcasados@santafecountynm.gov, [http://www.santafecountynm.gov/community\\_services/seniors](http://www.santafecountynm.gov/community_services/seniors)].

##### 4. HOA BOARD

*Elected Community Manager:* [Dag Ryen (Close Collaborator); Past Board President, Eldorado Community Improvement Association

(ECIA), (505) 466-4248, <http://www.eldoradosf.org>].

#### **5. LAND USE.**

*Appointed Santa Fe County 285 Corridor Planner: [Robert Griego (Supervisor); Planning Manager, Santa Fe County Planning Department, (505) 986-6215, rgriego@santafecountynm.gov, <http://www.santafecountynm.gov/committees/commplan>].*

#### **6. SUSTAINABILITY**

*Recycling Advocacy: [Joe Eigner (Close Collaborator); Founder, Eldorado/285 Recycles (E285R), (505) 570-0583, joseigner@gmail.com, <http://www.eldorado285recycles.org>].*

*Recycling Advocacy: [Adam Schlachter (Interacted Frequently); Past Director Public Outreach Coordinator, Santa Fe Environmental Services Division, (no contact info for new position at State of Delaware Recycling Strategic Planning)].*

*Residential Solar Advocacy: [Teresa Seamster (Interacted Frequently); Chair, Northern New Mexico Rio Grande Chapter of the Sierra Club, (505) 466-8964, tc.seamster@gmail.com, <http://www.riograndesierraclub.org/northern-new-mexico>].*

*Residential and Solar Farms Advocacy: [Craig O'Hare (Interacted Frequently); Past Energy Programs Specialist, Santa Fe County Public Works Department, (unknown current contact info)].*

*Solar and Recycling Advocacy: [Kathy Holian (Interacted Frequently); Past Commissioner 4th District, Santa Fe County Board, (unknown current contact info, except living on Glorieta Mesa)].*

#### **7. FOOD BANKING**

*Volunteer Food Sorter and Deliverer: [Sherry Hooper (Supervisor); Executive Director Food Depot, (505) 471-1633 x110, shooper@thefooddepot.org, <http://www.thefooddepot.org>].*

#### **8. ELDORADO COMMUNITY**

*Political Discussions: [Ed Moreno (Interacted Occasionally); Commissioner 5th District, Santa Fe County Board, (505) 986-6210, edmoreno@santafecountynm.gov, Liaison: javaldez@santafecountynm.gov].*

*Personal Discussions: [Eduardo Krasilovsky (Best Friend); Eldorado Resident, (505) 986-1346, tortuga@cnsf.net].*

#### **PUBLICATION ITEMS (Reverse Chronological Order):**

**2001:** Mangalam, H., Stewart, J., Zhou, J., Schlauch, K., Waugh, M., Chen, G., Farmer, A., Colello, G. and Weller, J., *GeneX: an open source gene expression database and integrated tool set*, IBM Systems Journal, 40(2), 552-569, 2001.

**1998:** Colello, G.D., Collatz, G.J., Sellers, P.J., and Berry, J.A., *Modeling of energy, water, and CO2 flux in a temperate grassland ecosystem with SiB2: May through October, 1987*. J. Atmos. Sci., 55, 1141-1169, 1997. (Probably my best publication. [Full PDF article with colorfigure.](#))

**1997:** Berry, J.A., Sellers, P.J., Randall, D.A., Collatz, G.J., Colello, G.D., Denning, S. and Grivet, C., *SiB2. A model for simulation of biological processes within a climate model*, in: *Scaling up from cell to landscape*, eds P. Van Gardingen et al, 347-369, 1997.

**1996:** Denning, A.S., Collatz, G.J., Zhang, C., Randall, D.A., Berry, J.A., Sellers, P.J., Colello, G.D. and Dazlich, D.A., *Simulations of terrestrial carbon metabolism and atmospheric CO2 in a general circulation model. part 1: surface carbon fluxes*, Tellus, 48, 521-542, 1996.

**1996:** Sellers, P.J., Randall, D.A., Collatz, G.J., Berry, J.A., Field, C.B., Dazlich, D.A., Zhang, C., Colello, G.D., and Bounoua, L., *A revised land surface parameterization (SiB2) for atmospheric GCMs. part 1: model formulation*, J. Clim., 9(4):676-705, 1996.

**1994:** Berry, J.A., Sellers, P.J., Randall, D.A., Collatz, G.J., Colello, G.D., Denning, S. and Grivet, C., *SiB2C, a model for simulation of biological processes in climate models*, J. Exper. Bot., 45(suppl), 5, 1994.

**1991:** Colello, G.D., Book: *Kodak KAR Microfilm System Documentation for the State of Michigan Credit Reporting*, pp. 1128, 1991.

**1980:** Colello, G.D., Chisolm, J., Heusner, J., Kellogg, C., and Bosmann, H.B., *The benzodiazepine receptors from birth to old age*, Life Sci, 1980.

**1980:** Colello, G.D., Ph.D. Thesis: *Benzodiazepine receptor studies*, University of Rochester, School of Medicine and Dentistry, 1980.

**1979:** Distefano, P., Case, K.R., Colello, G.D., and Bosmann, H.B., *Increased specific binding of H3 diazepam in rat brain following chronic diazepam administration*, Cell Biol. Inter. Rep., 3: 163-167, 1979.

**1978:** Colello, G.D., Case, K., and Bosmann, H.B., *Competitive inhibition of benzodiazepine binding by fractions from porcine brain*, Proc Natl. Acad. Sci., 75: 6319-6323, 1978.

**1978:** Colello, G.D., Case, K., and Bosmann, H.B., *Benzodiazepine binding in rat brain*, The Pharmacologist, 20: 273, 1978.

**1977:** Colello, G.D., *The neural aspects of sex*. Chapter in: *The University of Rochester Medical School Neural Sciences Manual*, 1977.

#### **PROMINENT MEETING ITEMS:**

**2001:** Invited Speaker. Plant & Animal Genome IX Conference. Genomic Computing Techniques and Applications Workshop, San Diego, CA.

**2001:** Session Chair and Invited Speaker. Cambridge Healthtech Institute's Molecular Analysis for Research and Diagnostics conference, Molecular Profiling session, San Diego, CA.

**2012:** Presentation. "Estimation of the Size of a Solar Farm Needed to Replace PNM Customer Electricity Usage Patterns Within The 87508 Zip Code", Santa Fe County Public Works Department, Santa Fe, NM, Invited By Craig O'Hare.

**2016:** Public Witness. Using my experiences as an Eldorado homeowner and Board Director, I gave public testimony to New Mexico State Joint Assembly Panel, "Problems With Home Owners Associations", New Mexico State Capitol "The Roundhouse", Santa Fe, NM.

#### **PATENT ITEMS:**

**2001:** Co-author on U.S. Patent application titled "Method and Apparatus for Gene Expression Data Storage, Retrieval and Analysis", filed January 26, 2001 as continuation of provisional applications Ser. No. 60/178,554 and 60/216,172.

**2001:** Co-author on U.S. Patent application titled "N-dimensional coordinate mapping database method and apparatus", filed April 17, 2001; Ser. No. 60/284,156.

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*Last Updated by Greg Colello on October 3, 2019.*