

CURRICULUM VITAE

CV SECTION 1: *Employment History/Awards*

NAME

Zachary S. Johnson

ADDRESS

Colorado State University
208 Shepardson Building
Campus Delivery 1173
Fort Collins, CO 80523

PHONE

970.491.2835

EDUCATION

1993 *Bachelor of Science, Landscape Horticulture- Concentration in Landscape Design and Contracting, Colorado State University*

2003 *Master of Landscape Architecture
University of Colorado at Denver*

ACADEMIC POSITIONS

2005 Spring to present *Assistant Professor, Landscape Design and Contracting program, Colorado State University.*

Fall 2004 *Instructor, Landscape Design and Contracting program, Colorado State University.*

Fall 2002 and Spring 2003 *Group Study Advisor, (Professional Landscape Network Student Career Days) Landscape Design and Contracting program, Colorado State University.*

CURRENT JOB DESCRIPTION

60% Teaching 20% Creative/Research Activity 20% Service/Outreach

HONORS AND AWARDS

January 2007 *John Garvey Award(Person of the year)
The Associated Landscape Contractors of Colorado, Denver, Colorado.*

CV SECTION 2: Publications/Scholarly Record

PERFORMANCES, EXHIBITS, PRODUCTIONS (Visual/Performing Arts):

Juried Activities (Performances/Exhibits/Productions, Compositions/Arrangements, Productions, Technical Directions, Production Design, et. al.)

2005 to present only

Design Awards

January 2006 Zahourek Residence
Excellence in Landscape Award, The Associated Landscape Contractors of Colorado
Denver, Colorado.

January 2007 Mary's Farm Residence
Excellence in Landscape Award, The Associated Landscape Contractors of Colorado
Denver, Colorado.

Built Works

2007

Bland Residence, Windsor, Colorado- Built
Thomson Residence, Erie, Colorado- Built
Weston Residence, Fort Collins, Colorado- Built

2006

Boyer Residence, Fort Collins, Colorado- Built
Chonle Residence, Fort Collins, Colorado- Built
Huskey Residence, Fort Collins, Colorado- Built

2005

USDA Building(Irrigation), Fort Collins, Colorado- Built
J and F Services, Fort Morgan, Colorado- Built
Rolling Hills Ranch Pocket Park, Johnstown, Colorado- Built
Loughlin Residence, Fort Collins, Colorado- Built

Non-Juried Activities (Performances/Exhibits/Productions, Compositions/Arrangements, Productions, Technical Directions, Production Design, et. al.)

Unbuilt Works

2007

Berns Residence, Fort Collins, Colorado
Meckleberg Residence, Fort Collins, Colorado
Monson Residence, Fort Collins, Colorado

CONTRACTS & GRANTS

Externally-Funded Projects as PI

2007 2nd Annual Centerra Annual Color Project- Ccoordinated and developed this project,
led to two student awards and strengthened relationships with McWhinney
Enterprises and ValleyCrest Companies. Approximate value of student awards
\$2,300.

- 2007 *STIHL Corporation- In conjunction with College of Agricultural Sciences Director of Development, prepared a funding request for the proposed renovations to the Shepardson Building. \$1,000,000 (not awarded).*
- 2007 *HORT 432 Intensive Senior Design- Raised funds for Student Organization of Landscape Design and Contracting through oversight of student design work. Approximately \$10,000.*
- 2007 *Corporate Partnerships- Raised program development funds for the Landscape Design and Contracting Program. Approximately \$15,000.*
- 2007 *Town of Windsor, Colorado- Boardwalk Park Historic Display Design, Created a partnership with the Town of Windsor for students in HORT 432 to complete a master planting plan to assist in interpretation of relocated historical buildings at Boardwalk Park. Designs to be completed Spring 2008. Value to the Landscape Design and Contracting program of \$1500.*
- 2007 *Town of Del Norte, Colorado- Trail System, Created a partnership with the Town of Del Norte, Colorado for students in HORT 432 to complete planting plans and interpretive gardens for proposed trail system. Designs to be completed Spring 2008. Value to the Landscape Design and Contracting program of approximately \$2000.*
- 2007 *Shepardson Room 202(Large Landscape Design and Contracting Studio), Assisted Ed Peyronnin in proposal development for major renovation to large Design Studio in the Shepardson Building. Proposed renovations to include new drawing/computer tables and stools, lockers for storage, removal of existing antiquated storage shelves, all components of a Smart Room (lectern, Elmo projector surface, and wireless LCD projector). Additionally, network infrastructure will be made available at each table for students to fully access all College of Agricultural Sciences software. Funding through Colorado State University. Approximate value \$50,000.(currently under review)*
- 2006 *Corporate Partnerships- Raised program development funds for the Landscape Design and Contracting Program, Approximately \$8,000.*
- 2006 *HORT432 Intensive Senior Design- Raised funds for Student Organization of Landscape Design and Contracting through oversight of student design work. Approximately \$15,000.*
- 2006 *Professional Landscape Practices Class- Funding of this class by The Associated Landscape Contractors of Colorado, \$2500.*
- 2006 *1st Annual Centerra Annual Color Project- Developed and coordinated this project, led to two student awards and strengthened relationships with McWhinney Enterprises and ValleyCrest Companies. Approximate value of student awards \$2,300.*
- 2005 *Service Learning in Landscape Design and Contracting, Alzheimer's Association of Fort Collins, Approximately \$3500.*

- 2005 *HORT 432 Intensive Senior Design-, Raised funds for Student Organization of Landscape Design and Contracting through oversight of student design work. Approximately \$9,000.*
- 2005 *Service Learning in Landscape Design and Contracting, Gardens on Spring Creek, City of Fort Collins, Approximately \$5000.*

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

Presentations

- November 2007 *Sustainable Landscape Design, Construction and Maintenance(Panel member), The Associated Landscape Contractors of Colorado Fall Landscape University, Denver, Colorado.*
- June 2007 *Challenging Landscape Areas, Twilight Garden Series, Department of Horticulture and Landscape Architecture, Colorado State University, Fort Collins, Colorado.*
- January 2007 *Sustainable Landscape Techniques(Panel member), ProGreen Expo, Denver, CO.*
- June 2006 *Outdoor Rooms in the Landscape, Twilight Garden Series, Department of Horticulture and Landscape Architecture, Colorado State University, Fort Collins, Colorado.*
- May 2006 *Retaining Walls, Fences and Patios, Composing Colorado Landscapes Conference Colorado State University Cooperative Extension, Fort Collins, Colorado.*
- May 2006 *Deck and Shade Structures, Composing Colorado Landscapes Conference Colorado State University Cooperative Extension, Fort Collins, Colorado.*
- May 2006 *Experience Based Learning in Landscape Design and Contracting, Annual NACTA Conference, Vancouver, British Columbia.*
- April 2006 *The Business of Landscape Design, The Associated Landscape Contractors of Colorado, Denver, Colorado.*

Attend Conferences and Professional Meetings

- November 2007 *The Associated Landscape Contractors of Colorado Fall Landscape University, Denver, Colorado.*
- October 2007 *The American Society of Landscape Architects Annual Conference, San Francisco, California.*
- October 2007 *The Green Industry Conference, Louisville, Kentucky.*
- August 2007 *Rain Bird Water Management Seminar, Las Vegas, Nevada.*
- July 2007 *PLANET(Professional Landcare Network)Summer Leadership Conference, Niagara Falls, Ontario, Canada.*
- May 2007 *Site visit to Capilano College, Landscape Horticulture Program,*

North Vancouver, British Columbia, Canada.

March 2007 PLANET Student Career Days, Lansing, Michigan.

February 2007 ValleyCrest Companies Annual Faculty/Industry Summit, Calabasas, California.

January 2007 ProGreen Expo, Denver, Colorado.

November 2006 The Green Industry Conference, Columbus, Ohio.

June 2006 NACTA Annual Conference, Vancouver, British Columbia, Canada

March 2006 PLANET Student Career Days, Provo, Utah.

January 2006 ProGreen Expo, Denver, Colorado.

October 2005 The American Society of Landscape Architects Annual Conference, Fort Lauderdale, Florida.

January 2005 ProGreen Expo, Denver, Colorado.

CV SECTION 3: EVIDENCE OF TEACHING AND ADVISING EFFECTIVENESS

TEACHING:

| <u>Year</u> | <u>Semester</u> | <u>Course No./Title</u> | <u>Credit Hrs.</u> | <u>Enrlmt.(apprx.)</u> |
|-------------|-----------------|--|--------------------|------------------------|
| 2005 | Spring | HORT 432 – Intensive Senior Design | 5 | 16 |
| 2005 | Spring | HORT 335 – Landscape Structures | 4 | 22 |
| 2005 | Spring | HORT 496V – PLANET Student Career Days | 1 – 2 | 18 |
| 2005 | Fall | HORT 465 – Landscape Estimating | 3 | 44 |
| 2005 | Fall | HORT 335 – Landscape Structures | 4 | 25 |
| 2005 | Fall | HORT 496V - PLANET Student Career Days | 1 – 2 | 18 |
| 2006 | Spring | HORT 432 – Intensive Senior Design | 5 | 33 |
| 2006 | Spring | HORT 368 – Landscape Irrigation | 3 | 40 |
| 2006 | Spring | HORT 496V – PLANET Student Career Days | 1 – 2 | 18 |
| 2006 | Fall | HORT 465 – Landscape Estimating | 3 | 44 |
| 2006 | Fall | HORT 335 – Landscape Structures | 4 | 20 |
| 2006 | Fall | HORT 380 – Professional Landscape Practices | 2 | 20 |
| 2006 | Fall | HORT 496V – PLANET Student Career Days | 1 – 2 | 18 |
| 2006 | Fall | HORT 496V – ValleyCrest/McWhinney Annual Color | 1 | 10 |
| 2007 | Spring | HORT 432 – Intensive Senior Design | 5 | 33 |
| 2007 | Spring | HORT 368 – Landscape Irrigation | 3 | 35 |
| 2007 | Spring | HORT 496V – PLANET Student Career Days | 1 - 2 | 18 |
| 2007 | Fall | HORT 465 – Landscape Estimating | 3 | 43 |
| 2007 | Fall | HORT 335 – Landscape Structures | 4 | 17 |
| 2007 | Fall | HORT 496V – PLANET Student Career Days | 1 – 2 | 18 |
| 2007 | Fall | HORT 496V – ValleyCrest/McWhinney Annual Color | 1 | 10 |

Course Improvements

HORT 335- Landscape Structures. Improvements to this class include the full integration of computer graphics software programs. By incorporating this technology, student work is completed more professionally and quickly, allowing deeper and more thorough investigation in topics while allowing additional information to be presented, increasing the overall content of this class. Additionally, service-learning has been incorporated into this class as projects and schedules allow. Past projects include design and construction of a patio space at the Alzheimer's Association of Fort Collins and shade structures at the Gardens on Spring Creek in Fort Collins. These projects provided an opportunity for students to experience an entire design and construction process (initial client meeting, design, review, estimate, project management/construction and client interaction), while accomplishing meaningful service projects.

HORT 432- Intensive Senior Design. Improvements to this class include increased use of technology in both teaching methods and completion of student course work. Most student work is completed using computer graphics programs to increase efficiency and allow additional topics to be covered. Lectures are given using computer technology which includes the use of a tablet style computer to display design ideas and lessons to the entire class. These improvements have better prepared students for careers by increasing course content and familiarizing them with a multitude of technology options. Additionally all student assignments are based on real projects encountered in professional practice. Using these types of projects prepares student for likely scenarios and experiences upon graduation. Much of the coursework for this class focuses on the entire design/build process rather than design only. Most assignments also detail budget preparation, contracts, critical path completion schedules and sales.

HORT 368- Landscape Irrigation. This class has been improved by creating lectures and presentations which allow students to gain both an academic and hands-on understanding of irrigation. Lectures cover traditional topics such as calculating pipe size, friction loss, head spacing, water conservations techniques, etc., while laboratory sessions now provide an opportunity for students to cut pipe, glue fittings, wire valves and experience problems commonly encountered in the field. Although many of these students will not work in the field, these laboratory sessions will greatly improve their ability to create strong designs and improve their profession.

Development of New Courses and Proposed Concentration

Landscape Business Concentration. Conceived and developed curriculum for newly proposed Landscape Business concentration within the Landscape Horticulture major. This concentration will assist entry into the Green industry for students which do not desire degrees in design related fields such as the Landscape Architecture or Landscape Design. Instead this concentration will focus on Horticulture and Business classes. All students completing this concentration will also earn a minor in business. This concentration has been designed to capitalize on the strengths of existing classes and teaching resources and will not require additional faculty members. Expected to be approved for Fall 2008.

HORT 380- Professional Landscape Practices. Conceived, planned and coordinated the new class. This class was created to strengthen existing curriculum in the Landscape Design and Contracting program. All lectures are taught by leading industry members. Topics include business start up, financials, liability, legal and insurance issues, H2-B labor needs, contracts, negotiations, marketing and corporate branding. Initial class was funded by a grant through The Associated Landscape Contractors of Colorado. Fall 2006 and Spring 2008

HORT 496V- Centerra Annual Color Project (Group study project). This class provides an opportunity for students to work with ValleyCrest Companies and McWhinney Enterprises, both industry leading companies. Students design annual color beds at the Centerra Development in Loveland, Colorado at I-25 and Highway 34. Class work includes initial meeting with clients (ValleyCrest and McWhinney), design work, multiple reviews and budget work. This class culminates by students giving two professional presentations at the McWhinney corporate boardroom. Audience/individual clients includes Vice President of Property Management and Vice President of Community Design (both of McWhinney) and the Assistant Branch Manager (Parker offices) of ValleyCrest. One project is selected for installation the following spring. This high exposure project provides students the opportunity to work directly with real clients, prepare budgets, create designs and present in a professional setting. Additionally, the selected student team of two, each receives a cash award and trip to the ValleyCrest Companies headquarters in Calabasas, California.

Integration of Service Learning

HORT 335- Landscape Structures. Two service learning projects have been completed in this class: 1) design and installation of three shade structures at the Gardens at Spring Creek 2) patio area with seating at the Alzheimer's Association of Fort Collins. These projects not only offered a service component, but also provided students with real life projects. Students completed all steps of the design/build process: initial site visits, client meetings, design work, presentations, budget estimates, material procurement, project management, scheduling and installation.

HORT 432- Intensive Senior Design. From Spring 2005 to present, students have completed numerous service learning design projects. Designs have been prepared for a multitude of non-profit organizations including school districts, Habitat for Humanity (won best landscape in price category in the Fort Collins Parade of Homes), church groups and relief organizations. Students completed all steps of the design process: site visits, client meetings, design preparation and presentations.

Achiote, Panama (El Centro de Tucan). I have advised and traveled with three different student groups to this remote village near the Caribbean coast. Groups include the first International CSU Alternative Spring Break in 2006 and again in 2007. My most recent trip was in November 2007 with a group of CSU student engineers. This community is located in one of the top bird watching locations in the world, but lacks infrastructure to attract tourist spending. Projects have included designing and building bird watching decks, trails and bridges. My most recent group of students collected data and community input to design several small "cottages" which will house visitors for short stays.

Participation in Professional Development Activities Related to Teaching

- 2007 Became licensed as a Landscape Architect in the State of Colorado. This will enhance teaching effectiveness by providing students with insight to current rules and regulations currently required of Landscape Architects in the State of Colorado.
- 2007 Passed 6 of 7 sections of the Certified Landscape Professional Test (Business Management). Administered by PLANET. Will take remaining test in January 2008. Teaching effectiveness will be enhanced by incorporating topics of this certification into classroom lectures.

ADVISING:

STUDENT ADVISING/GRADUATE SUPERVISION

UNDERGRADUATE STUDENTS:

43 Approximately Spring/Fall 2007
35 Approximately Spring/Fall 2006
33 Approximately Spring/Fall 2005

CV SECTION 4: Evidence of Outreach/Service

COMMITTEES

University Committees

2007 to present *International Development Studies Board*

College Committees

2006- 2007 *Associate Director of Development for the College of Agricultural Sciences
Search Committee*

Department Committees

2005 to present *Resident Instruction Committee*

2005 to present *The Associated Landscape Contractors of Colorado Student Awards
Committee.*

2005 to present *Landscape Design and Contracting Program Industry Advisory Committee*

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Member of The Associated Landscape Contractors of Colorado

Member of The American Society of Landscape Architects

Member of The Professional Landcare Network

At-Large Director of The Associated Landscape Contractors of Colorado

OTHER ACTIVITIES/ACCOMPLISHMENTS, SERVICE/OUTREACH

Winter 2007 *Colorado State University International Student Civil Engineering Group- Achiote,
Panama. International Senior Project
Promoted eco-tourism through design of guest housing structures
Advised and traveled with student group.*

Fall/Winter 2007 *Member of State of Colorado Landscape Architecture Application Review Committee.
(5 members). Review all applications for individuals seeking licensure as landscape
architects in Colorado. Appointed by the Colorado Department of Regulatory Affairs.
To date this committee has reviewed approximately 100 applications.*

Fall 2007 *ValleyCrest Companies and McWhinney Development- Loveland, Colorado.
Developed and coordinated Annual Color Design Project at Centerra, which involved
cooperation of two industry leading companies.*

- Fall 2007 HORT 380 Professional Landscape Practices
Continued development, coordination and preparation for this industry taught class.*
- Fall 2007 Elected to the State Board of Directors for The Associated Landscape Contractors of Colorado.*
- Spring/Summer 2007 Member of the Sustainability Task Force, The Associated Landscape Contractors of Colorado.*
- Summer 2007 Assisted in design and installation of irrigation system for The Fort Collins Youth Community Garden.*
- Summer 2007 Member of Rules and Regulations Task Force for Landscape Architecture licensure for the State of Colorado. Successfully worked within this committee to ensure that graduates of the Colorado State University Landscape Design and Contracting program can become eligible to sit for landscape architecture licensure examination. As a result of this effort, Colorado is currently one of just a few states in the nation which allow individuals with degrees from non accredited landscape architecture programs to sit for the licensure examination.*
- Spring 2007 Alternative Spring Break for Colorado State University- Achiote, Panama
International Alternative Spring Break
Promoted eco-tourism through landscape design and construction
Responsible for project design, coordination, oversight of installation
Advised and traveled with student group- co-leader of this trip.*
- Spring 2007 Oversaw student completion of landscape design work for the Fort Collins Habitat for Humanity. Installed project won best landscape in price category by the Fort Collins Parade of Homes. Secured additional project to be completed Spring 2008.*
- Spring 2007 Organized HORT 432 Intensive Senior Design student/client projects
Solicited design opportunities, communicated with clients and reviewed all student design work.*
- Spring 2007 McWhinney Enterprises- Loveland, Colorado
Along with faculty members and student member of the Department of Horticulture and Landscape Architecture, led development of proposal for cooperation/involvement in the Grand Station project.*
- Fall 2006 ValleyCrest Companies and McWhinney Development- Loveland, Colorado.
Developed and coordinated Annual Color Design Project at Centerra, which involved cooperation of two industry leading companies.*
- Fall 2006 HORT 380- Professional Landscape Practices
Proposed and created this industry taught class with financial and personnel support from The Associated Landscape Contractors of Colorado
Featured in the Winter edition of the PLANET Advantage publication.*

- Spring 2006* *Alternative Spring Break for Colorado State University- Achiote, Panama*
First International Alternative Spring Break
Promoted eco-tourism through landscape design and construction, project design,
coordination and oversight of installation. Traveled with student group- co-leader of this
trip.
- Spring 2006* *The proposed Children's Garden at the Denver Botanic Gardens*
Coordinated Landscape Design and Contracting student design projects
Partnered with Joe McGrane on this project.
- Spring 2006* *Organized HORT 432- Intensive Senior Design student/client projects*
Solicited design opportunities, communicated with clients and reviewed all
student design work.
- Fall 2005* *Organized HORT 335- Landscape Structures Service/Learning project with the*
Alzheimer's Association of Fort Collins.
- Spring 2005* *Organized HORT 335- Landscape Structures Service/Learning project with the*
Gardens on Spring Creek, Fort Collins, Colorado.