

Sara L. Carlson

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School Address

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Permanent Address

20536 46A Ave
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Education: Villanova University
Bachelor of Civil Engineering, May 2002
Cumulative GPA 3.70

University of British Columbia (1998-99)
Completed first year of engineering

Honors and Awards

Villanova University Deans List, 1999-present; HD Stafford High School Class Valedictorian; Full Athletic Scholarship Recipient (Division I softball); Verizon Academic All-American of the Year, 2001; Verizon First-Team Academic All-American, 2001; CoSida Second Team All-American, 2001; ECAC First Team All-Star, 2001; Big East First Team All-Star, 2001; Big East All-Rookie Team, 2000

Relevant Work Experience and Coursework: Research Experience for Undergraduates, University of Notre Dame, Notre Dame, IN, summer 2001 (*determined best methods of operation for oxidation ditches, researched and analyzed alternative waste water treatment systems*)
Structural Design (*LRFD Steel Design, ACI Building Code and Commentary*),
Environmental Engineering (*water/waste water treatment, landfills*),
Geotechnical Engineering (*soil strength, testing and foundation selection and design*),
Computer Applications and Programming (*MS Office, Lotus 123, AutoCAD, BASIC, Pascal, C++, world wide web*)

Leadership Experience:

Co-captain, Villanova varsity softball team (2001/02)
Student-Athlete Advisory Committee team representative (2001/02)
Editor, Villanova Chapter of Chi Epsilon (2001/02)
Member of Villanova University NCAA Re-Certification Study Group for
Academic Integrity
Member, National Society of Collegiate Scholars (inducted 2000)
Volunteer Tutor and mentor (2000-02)

Work Experience:

Cartec Services Langley, BC (1990-present)
customer relations, landscaping, maintenance
APAK Inc Vancouver, BC (summer 2000)
book assembly, manufacturing
Tim Horton's Donuts Langley, BC (1997/98)
customer relations, cash register, cleaning

DEANA MARIE CASALE

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EDUCATION

- Villanova University, Villanova, PA;
Bachelor in Civil and Environmental Engineering, Minor in Business
Graduation Date: May, 2002
- Summer Business Institute-summer 2001, Villanova University;
Integrated eight week study of accounting, finance, economics, marketing and management to receive a minor in business.

TECHNICAL EXPERIENCE

- Structural Design Analysis (Spring 2001) - Analysis of reinforced concrete and steel; designed formwork; evaluation of steel beams and connections.
- Geotechnical Engineering (Fall 2001) - Analysis of different types of foundation design.
- Senior Design Capstone I (Fall 2001) – Entire semester of work on both a written and oral group project on all civil engineering aspects of a road reconstruction project in the area; focused on bridge and foundation design.

PROFESSIONAL EXPERIENCE

- Internship at General Dynamics-Electric Boat-summer 2000 Groton, CT
Analyzed piping diagrams; compiled spreadsheets of piping information; evaluation of piping assemblies.
- Internship at Taylor Wiseman and Taylor-summer 2001 West Chester, PA
Regional Land Development Firm-Analyzed check plots; prepared Cost Distribution List; wrote Preliminary Site Plans-investigated site, analyzed preliminary plans, assisted to request any changes that needed to be made.
- Traffic Data Analysis for Edwards and Kelcey-May 2001 Dover, DE
Provided information about various intersections in Delaware by analyzing peak traffic times.
- Fundamentals of Engineering Exam (FEE)-April 2001 Pennsylvania
EIT Certification

EXTRACURRICULAR ACTIVITIES

- Chi Epsilon, Treasurer- Civil Engineering Honor Society that includes the top third of each class; representative at Engineering Student Council meetings.
- Habitat for Humanity-Skagit, Washington- helped add to a housing development for the underprivileged with a group of students for one week over a school break-October 2000.
- Involvement with the College of Engineering-American Society of Civil Engineers, Steel Bridge, Volunteer of Open House, and Engineering Big's and Little's.
- Involvement with Villanova University- Pennsylvania State Special Olympics, Balloon Day Volunteer, and Philadelphia Cares Day.
- Athletic Involvement- Women's Varsity Water Polo Team- Nationally ranked for 1999, 2000 seasons.