

David E. Drake, Jr.

137 Willow Bend Drive Apt. 2-D

Owings Mills, MD 21117-2693

(410).998.9589 drake_david_jr@hotmail.com Fax #: (435).518.4554

OBJECTIVE

To obtain a position that will allow me the opportunities to explore my field of study and gain practical experience

EDUCATION

1994-Present: **Morgan State University**, Baltimore, MD.
Civil Engineering Senior with concentration in Structural Engineering
Recipient of Senatorial Scholarship
Cumulative GPA: 3.6 In-major GPA: 3.91

Summers 1996 & 1997: **Dong Bei Shi Fan Da Xue** (North East Normal Teachers' University), Changchun, China. *Intensively* studied oral and written Mandarin Chinese in language immersion programs and taught conversational English with **English Language Institute China**

1986-1990: **North Caroline High School**, Ridgely, MD. Graduated

SKILLS

Administration, organization, and self-motivation

Computer Skills: DOS, UNIX, Pico, "C", MicroStation, **ANSYS FEA**, AutoCAD, CAD/GIS & Microsoft Access, MSOffice 2000, FrontPage, Dreamweaver, & **HTML** Web-page design

Fluent Foreign Languages: Mandarin Chinese & Spanish

EXPERIENCE

Jan. 2000-Present: **Morgan State University** Dept. of Civil Engineering. Use **ANSYS** to perform **Finite Element Analysis** and computational modeling of innovative fluid sloshing structural dampers used to absorb the seismic forces on structures due to earthquakes.

Summer 1999: **Environmental Protection Agency**, Hazardous Waste Identification Division, Crystal City, VA. Collected & organized data & regulations about medical waste. Logically structured information and disseminated results to the public via web pages programmed in **HTML**

Jan.-June 1999: **N.A.S.A. Goddard Space Flight Center & Morgan State University**, Greenbelt, MD. Researched poroviscosity & the constitutive behavior of permeable argillaceous and clastic material by setting up and performing experiments on column resonator and triaxial apparatuses for static and dynamic loading & graphed results on **Excel**

Aug.-Dec. 1998: **Glyndon Engineering & Technology Co.**, Hunt Valley, MD. Interpreted & digitized plans, performed data-entry and quality control on **MicroStation**, **CAD/GIS**, & **Microsoft Access** software

Summer 1998: **Maryland State Highway Administration** Construction Inspection Division, Baltimore, MD. Interpreted plans, field-tested materials, and inspected and documented contractors' work to ensure compliance with State specifications and accuracy in payment

HONORS & ACTIVITIES

1998 & 1999: Morgan State University **Steel Bridge Team**

1997-Present: Society of American Military Engineers Member

1997-Present: Alpha Nu Omega Fraternity Member, **Elected Alpha** Chapter Secretary '97 - '99

1996-1997: **Youth Bible Study Leader**

1995-Present: **Dean's List**

References furnished upon request