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Shiva Niazi

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- Education**
- 8/98 - present University of Texas, Austin
M.S.E. in Environmental and Water Resources Engineering
G.P.A.: 3.89
- 8/93-12/97 University of California, Berkeley
B.S. in Environmental Engineering Science
G.P.A.: 3.46
- Experience**
- Research Assistant** (8/98 - present)
Professors David Maidment and Randall Charbeneau, University of Texas at Austin
Thesis project focuses on designing a Visual Basic interface between a MODFLOW groundwater model and a Geographic Information System/ Excel surface water model. Goal of research is to determine the optimum time step length for modeling the groundwater recharge into the river.
- Research Assistant** (5/99 - 8/99)
Professor David Maidment, University of Texas at Austin
Involved in Water Availability Modeling (WAM) of Neches Basin, TX. Calculated watershed parameters for approximately 300 control points (i.e. diversion points, return flows, etc.) on the river network. Processed and manipulated 30 m. Digital Elevation Model (DEM) data in Arc/Info 7.2 and ArcView 3.1.
- Staff Engineer** (2/98 - 7/98)
SOMA Environmental Engineering, San Ramon, CA.
Wrote and edited risk assessment reports on groundwater remediation. Modeled contaminant transport in groundwater using MT3D and MODFLOW with GMS interface. Facilitated groundwater well permitting process.
- Research Assistant** (1/97 - 5/97)
Professor James Hunt, University of California at Berkeley
Participated in remediation of the Alameda Naval Air Station. Determined the water flowrate below contaminated sites by reassessing the hydraulic conductivity from a multitude of reports.
- Research Assistant** (5/96 - 8/96)
Professor William Nazaroff, University of California at Berkeley
Designed FORTRAN program to solve 1-dimensional diffusion/sedimentation problem.
- Engineering Assistant** (9/95 - 12/95)
OGISO Environmental, Oakland, CA.
Produced maps, graphs and layouts for site remediation reports.
- Activities**
- High School Outreach Co-Chair, Society of Women Engineers** (9/95 - 5/96)
Organized and participated in an effort to introduce engineering to over 1,000 San Francisco Bay Area high school students.
- Skills**
- MODFLOW, GMS, GIS (Arc/Info, ArcView), FORTRAN, Pascal, Visual Basic