elliot Nahman

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EDUCATION

University of California, Berkeley
Master of Information Management & Systems candidate
Expected: Spring 2013

MS Architecture: Building Science candidate
Expected: Spring 2013

BA in Architecture, 2006
Minor: Ecological Design

LEED Accredited Professional

SKILLS

Research
Qualitative and Quantitative research experience: survey design, implementation, and analysis; contextual inquires; interviews; experimental research; simulations; case studies; field measurements

Programming
Python; JavaScript & JQuery; HTML & CSS; XML (DTD, XSD, XSLT, XQuery); VBA; Processing and prototyping with Arduino microcontrollers and xbee wireless radios

Design Software
Adobe Creative Suite (Illustrator InDesign, PhotoShop, Fireworks Flash/Action Script 3); Lightroom; Balsamiq; AutoCAD; SketchUp; Arc GIS

Expertise
Data visualization; graphic and web design; project management; cost estimating/budgeting; statistical analysis; detail-oriented; equally comfortable working in teams and independently.

WORK EXPERIENCE

5/2012 TO Present

Technical Project Manager Intern; Google: Fusion Tables
Mountain View, California | http://www.google.com/fusiontables/

- Wrote Python scripts to process datasets and connect to Fusion Tables through the API.
- Developed information visualizations using Gviz charts, Google Map, and d3.js
- Developed functional prototypes using a Chrome Extension to inject scripts and html into existing pages to mock up possible features and functionality.
- Assessed and suggested features needed to support specific user-group workflows
- Developed UI mockups for new features and conceptual mockups and wireframes demonstrating the trajectory and long range goals of the product

8/2010 TO 5/2012

Research Associate; Institute for the Sustainable Performance of Buildings
Berkeley, California | http://www.su-per-b.org/

- Designed software for the building industry to train architects, engineers, facility managers, and installers about building systems, installation, and integration.
- Conducted energy simulations using Energy Plus
- Developed scopes of work for sub-contractors; managed and reviewed their submissions.
- Provided technical assistance for projects, produced technical and pedagogical reports, and created graphic materials/assets.
- Projects included: CEC Learn Green Buildings software, DOE/NIBS Weatherization training program, DHS/NIBS building design tool, and others

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7/2008 to 8/2010, 8/2011 to 12/2011	**Graduate Student Researcher**; Center for the Built Environment *UC Berkeley | http://cbe.berkeley.edu/* • Conducted research on a wide variety of projects including thermal comfort, integrated buildings systems, water and energy studies, UFAD systems, and radiant systems. • Research methods included computer simulations, field measurements using "off the shelf" tools and building custom tools, controlled chamber studies, IEQ Occupant surveys, contextual inquires, interviews, simulations, literary reviews, case studies.
4/2009 to Present	**TGIF Grant Recipient**; The Green Initiative Fund *UC Berkeley | http://tgif.berkeley.edu/* • Received a grant of $114,000 to conduct water metering research and build infrastructure on campus; partners with a PhD student in Mechanical Engineering—Lindsay Miller. • Responsible for Project Management: coordinating with campus facilities (and getting them onboard and committed to the project), budgeting, cost estimating, (re)allocating funds, researching metering technologies, and hiring/coordinating undergrad assistants.
12/2007 to 7/2008	**Junior Estimator**; Leland Saylor Associates *San Francisco, California | http://www.lelandsaylor.com/* • Developed construction cost estimates for all phases of design and construction in collaboration with clients and members of the design team. • Projects included public schools, residences, SF municipal water supply projects, and airports: LAX, SFO, SAC, OAK, SJC

RELEVANT COURSEWORK

Design & Prototyping

- User Interface Design and Development
- UI Prototyping
- Tangible User Interfaces
- Information Visualization
- IO Lab: Rapid Prototyping using web tools
- XML Foundations
- Web Architecture
- Energy and Environmental Management
- High Performance Facades

Research & Analysis

- Building Science Research Methods
- Architectural Research Methods
- Survey Research
- Building Energy Simulations
- Secret Life of Buildings: Methods of Measurement and Verification in Existing Buildings
- Statistics
- Energy and Society
- The Green Workplace
- Daylight Analysis
- Innovations in Sustainable Water Systems
- Ecological Analysis

AWARDS AND GRANTS

American Society of Heating, Refrigeration, and Air-Conditioning Engineers (ASHRAE) Golden Gate Chapter Scholarship 2009

UC Berkeley Green Initiative Fund (TGIF) Grant Award for 2009 and 2010 for a total of $114,000 towards the development of water monitoring infrastructure on the campus