

KENNETH WALTON

1426 Catbriar Way Odenton Maryland, 21113 TELE: 301 972-61 56 Email:
NVENT4U@GMAIL.COM

PROFESSIONAL OBJECTIVE: LEAD DEVELOPMENT OF COMPLEX URBAN DESIGN AND PLANNING PROJECTS. APPLY BROAD RANGE OF ARCHITECTURAL, URBAN DESIGN, ANALYTICAL, TECHNICAL, AND PROJECT MANAGEMENT SKILLS TO SOLVE COMPLEX DESIGN ISSUES.

DESIGN INNOVATION PROJECTS, AWARDS AND MENTORING:

2015- Harvard Kennedy School of Government Innovations in American Government Awards Program has recognized the very best innovations in American government NCPC EyeSite AR.
2018- ESRI ArcGIS Urban “Product Alpha” development team
2016- Smart City Expo World Congress – Project Award PA 2040 (GCTC)
2016- GE/Hackster.io Lights of Life Smart Lighting Challenge
2016- OpenIDEO Sutter Health Life Experience Challenge Immersive Reality Submission
2016- Smart Cities presenter 1776 global start up incubator of, sustainability, transportation and cities
2015-2016- OpenIDEO DC open innovation board member.
2015-2016 Global Cities Challenge Cyber Physical Systems / IoT Smart Cities Development Challenge Team Developer (Top 5 Cities).
2014 – OpenIDEO / AARP Intergenerational Relationships Challenge Winner
2014 – Department of Education My Brother’s Keeper DataJam Finalist
2014 – OpenIDEO / Coca-Cola Better Recycling Habits Finalist
2014 – OpenIDEO / USAID/ Humanity United Ways to Prevent Mass Atrocities Finalist
2014 – Design Thinking DC Challenge Sponsor
2014 – Quirky Product Designer
2014 –Urban Warfare Focus Research Topic Areas Grant Winner
2013 – EyeSite AR Augmented Reality Urban Scale AR Designer and Developer
2008-2012 US FIRST Robotic Mentor / School Program Developer
2012 – NCPC Strategic Plan Innovation Program Developer
2010- 2014- Autodesk Labs Beta Tester
2011 -2015- Kickstarter Backer
2011-2015 – InnoCentive Challenge Solver
2007-2009- BIMStorm Designer / Project Developer
2003- Massachusetts Institute of Technology (MIT) / Accenture Agent of Change Award Winner

WORK HISTORY:

2000 - Present *National Capitol Planning Commission - Washington, DC.*

Architect / Urban Design (CAD/BIM Program Manager) GS 13-7

Lead the development, technical training / instructional design, design and analysis of urban design and planning projects. Lead planning project research and policy development on several current NCPC Planning Policy and Research projects. Created NCPC Strategic Plan Innovation Program. Develop standards and criteria to guide agency through complex urban design and policy decisions. Make written and verbal presentations to Presidential appointees, US Senate and US Congressional staff, DC Mayoral staff and senior representatives from GSA, DOD, NPS, other regional government officials and national and local community development organizations. I also served as liaison on behalf of the agency with local and federal partners.

KENNETH WALTON

1426 Catbriar Way Odenton Maryland, 21113 TELE: 301 972-61 56 Email:
NVENT4U@GMAIL.COM

Maintain and evaluate planning programs after the initial application. Built real-time interactive master planning project analysis applications and carried out complex analysis, for urban design and planning projects applying both traditional and digital techniques. Managed and maintained agency computer aided design (CAD) and Building Information Modeling (BIM) design program. Developed program budgets, created and managed planning project work programs for staff and vendors and contactors including the project scopes, budgets, staff and process. Successfully completed several complex and controversial planning, design and land use projects simultaneously on time and on budget. Created complex planning studies for a congressional task force, and other federal, and regional task forces related to land use policy. Produced land use studies for economic feasibility and cost analysis. Developed budget analysis and documents for urban design, planning, and planning technology projects.

Key Projects:

- National Museum of African American History and Culture Site Selection Study and Urban Design Analysis Global Cities Challenge, EyeSite Augmented Reality (AR), Pennsylvania Ave. E Street Urban Design “BIMStorms”, North Capitol Street, Museum and Memorials Master Plan; World War 2 Memorial Site Analysis;
- Pennsylvania Avenue Urban Design Study; Adams Memorial Land Use Study; Comprehensive Plan for the Nations Capital;
- Urban Design Security Plan; South Capitol Street Urban Design; Foreign Mission Urban Design Analysis; Reservation 13 Urban Design Study;
- Anacostia Water Front Land Use; Walter Reed (BRAC) Land Use Development; Study; Lincoln Monument Security Study; Vietnam Veterans Visitor Center Site Study; St. Elizabeth Campus Land Use Study, RFK Land Development Study

1995 – 2000

RTKL Associates - Baltimore, Md.

Architect

Created and participated in the design and development of award winning multi-million dollar building design projects through design concept, schematic; development and document phases. Developed Architectural and Urban Design drawings for all phases of the design and construction process - pre-design, concepts, schematic, design development, construction documents and site surveys. Established *New Media* Group with national office team. Built computer models for concept schematic, planning and design, for print and animation. Worked with team to develop 3D CAD standards. Served as liaison between studio and software reseller. Managed day to day budget of architecture and urban design projects.

Key Projects:

- City Plaza – Taegu, Korea; Warsaw Trade Center – Warsaw, Poland;
- Bowie Town Center – Bowie Md; The Avenue at White Marsh Baltimore;
- Downtown Silver Spring – Silver Spring Md ;
- Koje Island Urban Design – Koje Island Korea; Gateway Town Center– Burban South Africa;
- Al Ghurair Centre– Dubia UAE; Mixed –Use Development – Dubia UAE;

KENNETH WALTON

1426 Catbriar Way Odenton Maryland, 21113 TELE: 301 972-61 56 Email:
NVENT4U@GMAIL.COM

- Atlantic Steel Master Plan – Atlanta GA; Retail Entertainment Urban Design – NY, NY; Bancroft Hall Design - Annapolis MD; Seoul Bus Terminal – Seoul Korea;
- Hyatt Hotel – Rabat Morocco; State of New York Emergency Response Center – Albany, NY

1994-1995

Walt Disney Imagineering - Orlando, Florida

Imagineer /Architect

Worked with design teams in the development and implementation of complex technical, design and engineering projects. Developed drawings, researched user experiences, created artwork for use in interactive entertainment projects. Tested ride systems, presented complex design projects to senior design and marketing staff and to the public. Key projects include: deployment of Disney Vision (location based ride system/Disney Quest); and Epcot Center/World Show Case; Streetscape Design.

1993-1994

Hellmuth Obata & Kassabaum - Architects (HOK)

Architect

Developed Construction documents, as-built drawings, responded to RFPS, prepared design drawings for large scaled urban design schemes. Performed site surveys for building programming analysis, performed ADA studies. **Key Projects:** NIH Master Planning; Natcher Building (NIH); US Embassy Master Plan (Bangkok Thailand; Sallie Mae – Reston VA; EPA Headquarters – Durham, NC; US Archives 2 – Adelphi MD; Rockville Town Center Urban Design – Rockville, MD; Mobil Oil – Fairfax, VA.

2001 – Present

Howard University - Washington, DC.

Adjunct Professor (Architecture)

Design, develop and teach courses on Computers for Architecture CAD and Media Design for Architects. Developed application tutorials that introduce and explain complex design and rendering techniques for several applications including Auto Cad, Photoshop, 3D Studio, Flash and Microstation. Designed and developed multiple web site schemes.

Volunteer Experience Innovation and Design Thinking

2013 – Present

OpenIDEO Design Thinking- International

Winner of the AARP Challenge “What role might young people play helping older adults connect to community”

Finalist of the Coca-Cola Challenge “Finding creative ways to encourage people to recycle at home”

Finalist of the US AID Challenge “How might we gather information from hard-to-access areas to prevent mass violence against civilians?”

Present

My Brother's Keeper US Department of Education

KENNETH WALTON

1426 Catbriar Way Odenton Maryland, 21113 TELE: 301 972-61 56 Email:
NVENT4U@GMAIL.COM

My Brother's Keeper Data

Finalist of the **White House, the U.S. Department of Education Challenge** An effort to address persistent opportunity gaps faced by boys and young men of color, and to ensure that all young people can reach their full potential.

1993-1993

National Building Museum - Washington, DC

City Design Intern

Worked with staff to design and develop programs and exhibits. Led neighborhood design tours and gave presentation on building design and related subjects; performed public relations functions; planned and organized activities for museum guests.

EDUCATION/ PROFESSIONAL LICENCES:

1988-1992 Boston Architectural Center Boston, MA

1992-1994 Howard University B.Arch., Architecture and Planning, Graduated Summa Cum Laude

1998 Accepted New York State Architectural Registration Program

AWARDS & RECOGNITION:

- ☐ MIT / Accenture Agent of Change Award 2004
- ☐ Employer Support of the Guard and Reserve (ESGR) Patriot Award 2005
- ☐ 2001 Urban Design Security Task Force(Team Award)
- ☐ Memorial and Museum Master Plan (Media Project Award)
- ☐ 2M Master Plan (Team Award)
- ☐ Federal Shuttle Bus Study for Congress Spot Award
- ☐ 2000 Performance Award/2001 Performance Award
- ☐ 1994 RTKL Traveling Fellowship
- ☐ 1st Place Walt Disney Imaginations Design Competition 1994,
- ☐ 1993 Patricia Roberts Public Service Fellowship (Full Scholarship)
- ☐ 4th and 5th year Design Student Award/Design

TECHNICAL SKILLS & KNOWLEDGE:

- Operating Systems – Windows NT, 95&98, 2000,XP,Vista,Windows 7 Macintosh System 7- Panther
- CAD/ BIM – MicroStation, AutoCad; Architectural Desktop, Revit, OPS
- 3D Modeling – Microstation, Triforma, 3D Studio VIZ and Max, AutoCad, 3D Analyst, Blender 3D, Onuma Planning system
- ☐ GIS- Arcview , 3D Analyst , Spatial Analyst ,Arc map, Arc Catalog, Arc Scene
- Illustration & Photo Editing – PhotoShop, Illustrator
- Production – Acrobat, Streamline
- Business Software – Word, PowerPoint

KENNETH WALTON

1426 Catbriar Way Odenton Maryland, 21113 TELE: 301 972-61 56 Email:
NVENT4U@GMAIL.COM

- ☐ Multimedia - 3D Studio Max, Director, After Effects,
- ☐ Video Editing- Adobe Premiere, Media Cleaner, Videowave
- ☐ Sound Editing- Sony Acid
- ☐ Web- Flash, Dreamweaver, HTML, After Effects, Premiere Pro, Go Live
- ☐ Data Base- Arcview, Arc Map, Excel, Revit
- ☐ Programming - ActionScript , Lingo, HTML, XML

RECENT TRAINING:

- ☐ Summer 2016: SIGGRAPH Computer Graphics Conference
- ☐ Spring 2015: Professional writing refresher course
- ☐ Summer 2015: SIGGRAPH Computer Graphics Conference
- ☐ Summer 2009: Contract Officer Representative (Defense Acquisition University)
- ☐ Fall 2007: NEPA training NCPC onsite
- ☐ Summer 2004: Advance Flash (Macromedia University)
- ☐ Summer 2004: Sketch Up (At Last Software)
- ☐ Summer 2004: JavaScript
- ☐ Spring 2005: COTR Training
- ☐ Summer 2001: Flash and Director (Macromedia University)
- ☐ Spring 2001: Adobe After Effects (Maryland Institute College of Art)
- ☐ Spring 2001: Dream Weaver (USDA Grad School)
- ☐ Fall 1999: Technical Animation (3D Studio Software)
- ☐ Summer 1999: Bentley Visualization Lab, Florida. Visualization with Triforma Rendering and Animation courses
- ☐ Fall 1998: Modeling with Triforma (HM Systems, Baltimore, Maryland)
- ☒ Summer 1998: Introduction to 3D Studio Max (Avatech Technology – Owings Mills, Maryland)
- ☐ Fall 1997: Introduction to Macromedia Director, Introduction to Adobe Illustrator (Maryland Institute College of Art)
- ☐ Spring 1995: Introduction to MicroStation 5.0 (Republic Research Center, Arlington, Virginia)
- ☐ Fall 1994: AutoCad 12. (Orange Community College, Orlando, Florida)
- ☐ Spring/Summer 1994: Photoshop, Painter, Word, Excel & Powerpoint. (Disney University, Orlando Florida)

CONFERENCES AND WORKSHOPS:

- ☐ Summer 2004, 2008, 2009: SIGGRAPH Interactive Media, 3D, and Web Conference
- ☐ Spring 2003: Congress for New Urbanism Conference
- ☐ Summer 2003: SIGGRAPH Interactive Media, 3D, and Web Conference

KENNETH WALTON

1426 Catbriar Way Odenton Maryland, 21113 TELE: 301 972-61 56 Email:
NVENT4U@GMAIL.COM

- ☐ Summer 2002: SIGGRAPH Interactive Media, 3D, and Web Conference
- ☐ Summer 2001: SIGGRAPH Interactive Media, 3D, and Web Conference
- ☐ Summer 2001: HBCU GIS Conference
- ☐ Summer 2000: SIGGRAPH Interactive Media, 3D, and Web Conference
- ☐ Spring 1999: GIS Workshop. University of Maryland, School of Landscape Architecture.
- ☐ Fall 1998: AEC Conference Workshops, Baltimore Maryland. Urban Simulation/CADD and the Internet.
- ☐ Fall 1997: Bentley (MicroStation Forum). Baltimore, Maryland.
- ☐ Summer 1997: Siggraph. Various workshops on modeling simulation and animation. Los Angeles, California.
- ☐ AIA Convention Boston 1992 / Los Angeles 1994

RESEARCH AND DEVELOPMENT:

- 2010-2016 Planning innovation tools and policy R&D immersive environments
- 2007-2008 National Building Information Modeling (BIM) standards committee team
- 1994: Development team virtual reality systems for location-based entertainment centers. Created surveys to monitor effects of virtual reality systems on test subjects.
- 1995: Performed statistical analysis to determine economic feasibility of simulation systems.
- 1997: Leonard Kagan Fellowship – Performed research for the development of a Real time design simulation environment for use in the architecture design process. (Honorable Mention travel only)
- 1999-2000: Developed in-house program for the use of New Media in a top 10 Architecture firm.
- 2001: Built real-time interactive project analysis application for urban design.

COMMUNITY SERVICE:

- 2008-2010: Virginia Technology Student Association State Conference
- 2010: March Of Dimes Community Coordinator
- 2009-2010: Kingsview Middle School Fathers Circle President

KENNETH WALTON

1426 Catbriar Way Odenton Maryland, 21113 TELE: 301 972-61 56 Email:
NVENT4U@GMAIL.COM

2010: Montgomery County PS Study Circle Participant (Diversity)
2010: 3M Young Scientist Competition Mentor
2010: ASLA Legacy Project Volunteer
2010: US FIRST Robotics Design Competition Mentor
1993-2010: City Vision Nation Building Museum Design Outreach Volunteer
2004-2010: Walt Disney Imaginations Design Competition Advisor
2009: Department of Justice Earth Day Park Reclamation
2009: School of the Future Competition National Realtors Association: Mentor
2009: DC Central Kitchen: Volunteer
2009: AIA Grassroots Shadow an Architect: Mentor
2009-2010: Phelps Career School Mentor Architect
2006-2009: Montgomery County Middle School Career Day Mentor
2009: NFL All Pro Dads: Volunteer Mentor
2005-2009: Combined Federal Campaign (CFC): Team Leader (Presidents Award)
2004-2005: Combined Federal Campaign (CFC): Chairman (Summit Award)
2002-2004: GIS Day Exhibitor: teaching the value GIS to school age students
1992-2010: AIA (American Institute of Architects) Architecture in the Schools
2006 APA. (American Planning Association) Conference volunteer
1997-2000 AIA. (American Institute of Architects) Urban Design Committee
1995-2000 AIA. (American Institute of Architects) Lecture Series Committee

PORTFOLIO AVAILABLE UPON REQUEST

REFERENCES: AVAILABLE UPON REQUEST