

# CAROLINE MOREL

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**Architecture Intern**  
*Transitioned from A&S Engineering*

US citizen

## SKILLS

- CAD – BIM (Revit, Archicad, Autocad) ■
- Design (Sketchup) ■
- Rendering / Editing (Photoshop, Corel) ■
- Office, Mixed-Use, Education ■
- Material and Technology dilettante ■
- Photography ■
- Leadership / Collaboration ■
- Planning, Organization, Management ■
- Communication ■
- English: fluent, French: native, German: basic ■

## EXPERIENCE

### Principal and Owner at ArchiMAD LLC, Hollis, NH

Aug 2015 to now

Consulting firm providing architectural services

- Pond Residence (foundation development) for Peter Henry Architecture in Alexandria, VA;
- Mixed-Use Class A Office building: H street in Washington, DC (peer review set) for DCS Design in Tysons Corner, VA
- Education: CentroNia in Silver Spring, MD (schematics) for DCS Design in Tysons Corner, VA

### Architect Intern at DCS Design, Tysons Corner, VA

Sept 2015 to Sept 2016

- Mixed-Use Class A Office buildings: H street in Washington, DC including the preservation of an existing structure (schematics), 44-88 M street in Washington, DC: 2 towers connected by a mixed use podium, inscribed in a urban green connector (schematics, code compliance, DD, BOMA counts and permit set).
- Office building complex: Redland in Reston, VA including a pavilion on a re-landscaped plaza, the renovation of a lobby and a future block (schematics, public consultation boards, DD, code compliance, and permit set).
- School: St James Episcopal Church and School in Warrenton, VA: K-12 private school comprising the remodel of the existing building as well as a new annex (schematics).
- Deployed on Interior and Base building projects on an ad-hoc basis (survey of existing, and mostly permit sets)
- Active participant in the production of the DCS Revit Manual
- Attended LEED boot camp (July 2016)

### Design Consultant at Closet Tailors of Reston, VA

Feb to Nov 2009

- Managed projects/clients from the first in-home consultation to the thank-you note
- Sold over \$100,000 in products and services in 8 months of part-time job, and closed about 70% of my leads
- Pro-actively created electronic forms to facilitate the processes of this starting company
- Pro-actively joined Business Networking International (representing Closet Tailors): Secretary/Treasurer

### Project Engineer at BAE Systems, Washington DC and Alexandria VA

Nov 2002 to Jan 2006

Acoustic non-destructive aircraft inspection:

- Designed and ran experiments (in the lab, in the field and with officials).
  - Maintained the Autonomous Guided Vehicle in working order (mechanical and software).
  - Team coordinator (8 professionals working in 3 different locations, PoC with partner company)
- Deep Digger, Electric Curtain, Dock Shock, Hydrogen gun: Project engineer attached to several projects concurrently
- Independently procured prototype parts and experiment materials at best cost, quality and schedule
  - Designed single parts or systems with AutoCad
  - Created and managed budgets, resources and schedules during the proposal and execution phases

### Airworthiness Manager at Cap Aviation, Dijon, France (aerobatics aircraft mfr.)

July 1998 to Sept 2001

Certification of the CAP222 airplane, CAP10C new wing and CAP232 airplane modifications:

- Negotiated with DGAC, French equivalent of FAA (means of compliance, flight envelopes, utilization of new composite materials)

Head of Customer Service on a fleet of 250+ aircraft worldwide (maintenance shops, flight schools, private pilots)

- Designed repairs to fix defective or outdated systems
- Created and implemented a drawing database management system

### Volunteer experience

- Neighborhood citizen association volunteer and president, PTA volunteer 2004 to 2016
- Volunteer mechanics in maintenance shop at Dulles Aviation, Manassas, VA July to Sept 2002
- "Behind the scenes" Volunteer at National Air Space Museum, Suitland, MD Feb to June 2002

## EDUCATION

### M.Arch II - Virginia Tech , Washington Alexandria Architecture Center, Alexandria, VA.

May 2015

- Cumulative GPA 3.8
- Architecture and Urbanism Seminars, Revit, Photography, Urban planning, Design/Built, Pro practice, Design method, Architecture Theory, in addition to Studios
- Thesis: Walls || Memory– From a French "hotel particulier" to a mixed-use in Alexandria, VA

### Associate Degree in Architecture - Northern VA Community College, Alexandria, VA.

May 2013

- Cumulative GPA 3.9
- History of modern and ancient arch, Graphics, Materials and methods, AutoCad, Revit, SketchUp, Sustainable arch, MEP, Site planning, Structure in addition to studios

### M.S. in Aerospace Engineering - EPF Ecole Polytechnique Féminine, Paris, France.

June 1998

- First 3 years: mathematics, physics, computer science, economics and languages.
- Last 2 years: aircraft and spacecraft structures, aerodynamics, flight and spatial mechanic, aeronautical and spatial propulsion, avionics, materials