

# JOHN McDONALD

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## EXPERIENCE

**Designer, Architectural Design Studio, McLean, VA** Nov 2021 – Current

Lead the production department for an award-winning Design-Build architecture firm in the DC metropolitan area, specializing in residential renovations, small commercial, retail (food services and hospitality), historic preservations, and sustainable design.

- Produce, review and maintain all architectural drawings from the firm, including complete permit and construction sets
- Thorough understanding of the operation and components of AutoCAD and Revit, possessing knowledge of common drawing commands, standards, and practices to produce accurate 2D/3D drawings, renderings, and models with excellent design sensibility
- Ability to read/interpret standard types of architectural drawings, including residential/commercial construction plans/elevations/sections/details, in addition to structural/electrical schematics
- Collaborate with team to provide design work based on client/principal architect feedback

**Lead Instructor, Mathnasium, Alexandria, VA** Sep 2018 – Dec 2021

Responsible for managing and leading the center, directing instructors to ensure all students and clients receive appropriate attention, mentoring instructors on their instructional abilities and using of the Mathnasium system, terminology, and methodology.

- Assemble and organize curriculum for more than 90 students
- Oversee instructional and administrative tasks for a team of 15 instructors
- Maintain and log all records and reports using the company's database/Excel
- Conduct assessments and review progress reports with prospective/current clients

**Instructor, Mathnasium, Alexandria, VA** Aug 2018 – Sep 2018

Operate in a team-based teaching environment where quality collaboration and communication ensure all needs of the clients are addressed, providing instruction and support using excellent oral, written and interpersonal skills.

- Guide students in grades 1-12 through a uniquely designed math program
- Provide one-on-one and small group tutoring
- Adapt teaching methods and materials to meet the client's unique needs/interests
- Maintain and evaluate learning materials/records for each client

**Waiter, Vola's Dockside, Alexandria, VA** Aug 2016 – May 2017

## EDUCATION

**A.A.S. Architecture Technology (4.0/4.0)** 2020 – 2022

NORTHERN VIRGINIA COMMUNITY COLLEGE

**C.S.C. Computer Aided Drafting and Design (4.0/4.0)** 2020

NORTHERN VIRGINIA COMMUNITY COLLEGE

**B.A. Mathematics (3.6/4.0)** 2017 – 2018

THOMAS EDISON STATE UNIVERSITY

**B.A. Physics - Completed 98 CR** 2011 – 2016

VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY

## SKILLS

- Creative and technical curiosity that enables unique design solutions to complex problems
- Strong software aptitude/adaptability, with proficiency in CAD systems, 2D graphic and 3D modeling design, audio/video production, and other presentation/layout tools
- Basic programming skills using data, software development, and web development technologies
- Extensive engineering and mathematics academic background
- Organized and detail oriented with an ability to effectively meet deadlines

## SOFTWARE

AutoCAD, Revit, Adobe Illustrator/Photoshop/InDesign/Acrobat, BlueBeam, MS Office  
Excel/Word/Outlook, PC/MAC

## LANGUAGES

HTML, CSS, JavaScript/jQuery, Python, C++, C#, Java, SQL