

# JOHN McDONALD

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## EXPERIENCE

### **Lead Instructor, Mathnasium, Alexandria, VA**

*Sep 2018 – Current*

Responsible for leading the instructional floor and managing 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 our 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**

*Expected Spring 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
- 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 2D/3D design sensibility
- Able to read/interpret standard types of architectural drawings, including residential/commercial construction plans/elevations/sections/details, in addition to mechanical/electrical schematics
- Intermediate programming skills, with work in data structures/databases (SQL/Python/Excel), web development technology (JS/jQuery, HTML, CSS, node.js), and application development (C++, C#)
- Extensive engineering and mathematics academic background
- Organized and detail oriented with an ability to effectively meet deadlines
- Ability to adapt, multitask and efficiently work in a fast-paced team environment

**SOFTWARE:** AutoCAD 2013-21/Revit 2020-21, Adobe Illustrator/Photoshop/InDesign/Premiere, Microsoft Office Excel/Word/Outlook, PC/MAC

**LANGUAGES:** SQL, Python, JavaScript, HTML5, CSS, JAVA, C++, C#

**COURSEWORK:** Computer Aided Drafting and Design I-II-III, Architectural Graphics I-II, Construction Methodology & Procedures II, Architectural Blueprint Reading, Technical Writing, Multivariable Calculus I-II-III, Linear Algebra, Statistical Methods