

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
- Use the company's database/Excel to access/log records, reports, and learning materials
- Conduct assessments and review progress reports for 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 Fall 2021

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, 98 CR

2011 – 2016

VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY

SKILLS

- Technical curiosity that enables unique design solutions to complex problems
- Strong technical and software aptitude/adaptability, with proficiency in CAD systems, graphic/vector design, audio/video production, and other design/presentation software
- Intermediate programming skills, with work in data structures/databases (SQL/Python/Excel), software development (C++/C#/JAVA, object-oriented) and web development technology (JS/jQuery, HTML, CSS, node.js)
- Thorough understanding of the components and operation of AutoCAD and Revit, including mastery of common drawing commands, standards, and templates
- Able to read/interpret standard types of construction drawings (plans/elevations/sections/details), including residential/commercial, mechanical/electrical
- Able to apply technical design, knowledge, and practices to produce accurate 2D/3D CAD drawings, renderings, and models with excellent 2D/3D design sense
- 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 2013-20/Revit 2020, Adobe Illustrator/Photoshop/InDesign, Microsoft Office Excel/Word/Outlook, PC/MAC

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

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