

JASON RICKENBACHER

jrickenbacher@middlebury.edu • (860) 819-0837 • linkedin.com/in/jasonrickenbacher

EDUCATION

Middlebury College Middlebury, VT Class of 2023	<ul style="list-style-type: none">• Candidate for Bachelor of Arts – Double Major in Mathematics and Computer Science• GPA: 4.0/4.0• Relevant Coursework: Computer Architecture, Data Structures, Math Foundations of Computing, Abstract Algebra, Linear Algebra, Multivariable Calculus, Physics – Electricity & Magnetism, Advanced Chemistry
South Windsor High School June 2019	<ul style="list-style-type: none">• Valedictorian, GPA: 4.0/4.0• National AP Scholar: Scored 5 on thirteen AP exams• Capstone: Produced YouTube tutorials/educational series on coding in Python

EXPERIENCE

Middlebury College, Tutor September 2020-present	<ul style="list-style-type: none">• Lead weekly tutoring sessions (review lectures and provide guidance on problem sets) for computer science students in Data Structures 201 course - designing algorithms and writing programs for solving large, complex problems using abstract data types (ADTs) such as stacks, queues, trees, and hash tables
Schroth Systems Consulting, Inc., Intern May 2020-present East Hampton, CT	<ul style="list-style-type: none">• Program custom software systems to meet clients' specific requirements, using Microsoft tools (SQL Server, Visual Studio, MS Access, and SQL Server Reporting Services)• Design and build web programs using C#, T-SQL, and .NET Framework• Create database applications using MS Access and VBA• Experienced with RESTful APIs and transmitting JSON data between servers
Hartford County 4H Camp Counselor/Staff (2016-2019) Marlborough, CT	<ul style="list-style-type: none">• Supervised, entertained and cared for campers at all hours of the day and night• Instructed campers in tennis, gymnastics, yoga, and water sports• Promoted values of respect and responsibility

SKILLS AND PROJECTS

Programming Languages	<ul style="list-style-type: none">• (<i>Proficient</i>) Java, Python (<i>Familiar</i>) C#, VBA, SQL, Dart
Software	<ul style="list-style-type: none">• LaTeX, Git, MS Access, Visual Studio, SQL Server
Projects	<ul style="list-style-type: none">• Designed an ARM32 style, programmable computer processor with digital circuits• Created an AVL Tree – self balancing binary search tree to simulate a library's book return system• Developed a custom chess engine and AI using a minimax algorithm and alpha-beta pruning

LEADERSHIP AND ACTIVITIES

Middlebury Student Government Association <i>Technology Committee</i>	<ul style="list-style-type: none">• Leading effort to organize pre-professional data and UI/UX design workshops for Midd students and the broader Middlebury community• Centralizing access to technology resources on Midd SGA website• Working to establish "MiddHacks," a Middlebury hosted Hackathon (postponed due to Covid-19)
Midd Dev (Middlebury App Development Club)	<ul style="list-style-type: none">• Collaborating with a team to design and implement an interactive map of Vermont farms for ACORN (Addison County Relocalization Network) with a SQLite back-end and custom search engine
Middlebury Swimming & Diving Team	<ul style="list-style-type: none">• NCAA Division III Varsity Diver• Placed 9th on 1 meter and 10th on 3 meter in 2020 NESCAC Championships
SWHS Math Team National Honor Society Model United Nations Varsity Athletics	<ul style="list-style-type: none">• <i>Captain</i> - 2nd place team in Connecticut• <i>President</i> - Established tutoring program; directed 40+ community service projects• <i>Secretary General</i> - Harvard MUN (2019), Best Delegation (2018), Innovation Award (2017)• Tennis, Diving - All Conference and All Academic, all seasons

AWARDS AND SCHOLARSHIPS

Middlebury College South Windsor High School	<ul style="list-style-type: none">• Middlebury College Scholar – Highest academic honor for every semester• SWHS Class of 2019 Outstanding Scholar Awards: Math, Science, Social Studies, Latin• Richard Tustin Memorial Scholarship: Excellence in STEM• Connecticut High School Coaches Association Scholarship: Exemplary academics, athletics, leadership• William Perry Scholarship: Outstanding academics, leadership and commitment to athletics and service• Samsung American Legion Scholarship: Boys State• Yale Book Award: Recognition for outstanding personal character and intellectual promise• Hugh O'Brian Youth Leadership Award: for leadership and community service• SWHS SADD Scholarship: for passion and commitment to SADD
---	--