

Yurgen Hohmeyer

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EDUCATION:

Clarkson University, Potsdam, NY

May 2022

GPA: 3.9/4.0

- Bachelor of Science: Mechanical Engineering
- Presidential Scholar Fall 2019, Spring 2020; Spring 2021; Dean's List Fall 2020

Southern New Hampshire University, Manchester, NH

2018-2019

GPA: 4.0/4.0

- Bachelor of Science: Computer Science
- President's List (Four Terms: 2018-2019)

PROJECTS:

Prototype Wind-Powered Vehicle, Team Leader, Clarkson University

Fall 2019

- Designed and constructed a small-scale, original wind-powered vehicle
- Followed, met, and exceeded a set of design constraints given by an engineering class
- Created technical drawings and 3D model of the prototype, which was 3D printed and assembled
- Competed against other teams over several categories; won top design of the class

Livestreaming Lakefront Webcam, Lake Clear Lodge & Retreat

July 2018

- Created a live video stream of the lakefront at the Lake Clear Lodge for use on their website
- Utilized an IP camera security system, Raspberry Pi, and custom video-encoding settings to create a publicly accessible live stream that was safe and secure using a proxy

RELEVANT COURSEWORK:

- **Heat Transfer:** Steady and transient conduction, natural and forced convection, radiation
- **Numerical Methods w/ Applications:** Lab component employing ANSYS Workbench to run simulations
- **Fluid Mechanics II w/ Lab:** Team project lab utilizing ANSYS Fluid Flow (Fluent) to investigate fluid flow problems and write technical reports based on findings
- **Engineering Fundamentals:** Experimental Lab, Statics, Dynamics, Strength of Materials, Design

TECHNICAL SKILLS:

- **Engineering:** SolidWorks, ANSYS Workbench, MATLAB, 3D Printing, Wiring/Soldering, Power Tools
- **Productivity:** Microsoft Office (Word/Excel/PowerPoint/Outlook), Adobe Creative Cloud Suite
- **Programming:** C/C++, EEPROM/Firmware Flashing, Java, Lua, JavaScript, PHP, HTML/CSS, Python
- **Other:** Photography, Videography, PADI Certified Advanced Open Water Diver, Drone Pilot

WORK HISTORY:

Marketing Director, Dining Room Manager, Web Developer, Facility Management Team Member

Lake Clear Lodge & Retreat, Lake Clear, NY

2014 - Present

- Communicate daily with guests and prospective customers via phone, email, and online chat
- Consistently complete self-managed tasks in an efficient and timely manner
- Oversee dining room operation and work with a team to serve patrons in a fine-dining setting
- Design and build websites and internal software applications; automate daily software tasks
- Adapt to new situations in a fast-paced, ever-changing small business environment