Grace Johnston

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**Objective:** Find an internship manufacturing engineering position for the upcoming winter break or the summer of 2020

**Education****: University of New** **Hampshire** – *College of Engineering and Physical Sciences* **Aug. 2017 – May 2021, anticipated**

GPA: **3.27** | B.S, Mechanical Engineering | Recipient of UNH Director’s Scholarship | Dean’s List: Honors Fall 2017

**Tech Skills:** Solidworks| MATLAB | Excel | VBA | General Machining Practices | NavCad / PropExpert / PropCad / PropElements

**Experience****: HydroComp, Inc. October 2018 – September 2019**

*Engineering Intern*

* Reverse engineered performance tests on naval propellers
* Created mathematical models to replicate the performance of the propeller using Excel
* Used VBA to implement mathematical models into our propeller design and testing software
* Updated software interface
* Worked with probing machines to measure propellers
* Tested software to fix program bugs and guarantee accurate and reliable performance

**UNH Hamel Recreation Center June 2018 – August 2019**

*Summer Staff Member*

* Welcome Center and Outdoor Pool attendant – Worked with Fusion, (HRC’s computer interface used to manage its information), welcomed customers, answered questions, answered and made phone calls
* Fitness Assistant – Oversaw the gym and made sure the equipment was used properly and people were safe
* Concessions Stand – Sold food and complete transactions
* Mendums Pond Gate and Boat Attendant – Sell day passes and handle transactions

**OTTO Pizza January 2017 – September 2017 / December 2017 - January 2018**

*Delivery Driver*

* Completed on-timer deliveries by choosing the best and most efficient routes
* Consistently provided friendly guest service and heartfelt hospitality
* Verified that prepared food met all standards for quality and quantity
* Handled currency and card transactions quickly and accurately

**Black Cow Tap & Grill September 2016 – January 2017**

*Hostess*

* Assigned patrons to tables suitable for their needs and according to rotation
* Followed all safety and sanitation policies when handling food and beverages to uphold proper health standards
* Demonstrated genuine hospitality

**Relevant Orgs: UNH Students for the Exploration and Development of Space September 2017 – present**

*Member of the Propulsion Team*

* Committed member since the chapter’s first official year beginning in September 2017
* Prospective 2020-2021 UNH SEDS engineering lead
* Initial development of gimbal
* 2018 – 2019 Member at Large
* Participant in and upper-class mentor in building multiple model rockets, both single and duel stage
* Finalist in the SEDS Rocketry Competition – scored by maximum apogee reached and recoverability
* Participant in building and testing a hybrid rocket engine using solid HTPB and liquid compressed Nitrous Oxide
* Attended SpaceVision 2018 with 16 team members in San Diego, California to network with other SEDS members
* Source of integration and passage of knowledge between the senior club members and the underclassmen

**Other Skills:** Collaboration | Leadership | Creativity and Problem-Solving | Responsibility | Adaptability