**Matthew Molinar**

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**EDUCATION**

**The University of Texas at Austin (UT) Bachelor of Science, Mechanical Engineering** Spring 2022

GPA: 3.55/4.0

Certificate: Elements of Computing

Lone Star College-Kingwood (LSC) Associate of Science, Honors in Research, Cum Laude Spring 2019

GPA: 3.7/4.0

**EMPLOYMENT**

**Berkshire Hathaway Home Services Anderson Properties,** *Professional Real Estate Agent*2017-2019

* Advocated on behalf of clients in transactions as well as corresponded with banks and title companies.
* Performed market analysis and comparable on houses of interest for clients and hosted open houses.
* Experienced in contract preparation, customer service, branding, and business models.

**LEADERSHIP EXPERIENCE AND CONFERENCES**

**National Model United Nations (LSC),** *United Nations Framework Committee on Climate Change*2018-2019

* Passed one technology focused resolution addressing knowledge transfer and climate change with 20+ sponsors.
* Collaborated on resolutions with 125+ two-year and four-year international institutions.
* Competitively selected to research and represent the delegation of Uzbekistan.

**Student Government Association (LSC),** *President, Senator*2017-2019

* Spearheaded a movement that increased enrollment by ~1,000 after flooding in Hurricane Harvey.
* Constructed and recruited a new Senate modeled after UT- SG that raised members by 55%.
* Collaborated with college recruiting and outreach to change community college stigma in local area.
* Drafted and Ratified over 10 new amendments, as well as established Election Code of Ethics Agency.

**Atascocita Military Marching Band (HS),** *Drum Major, Drill Leader, Section Leader*2013-2017

* As Drum Major, administrated marching, travel, and preparation operations of 200+ member band in coordination with Head and Assistant Band Directors and had 23 Section Leaders reporting to me on the Band Council.
* Designed 5 try-out drills for Drill Leader and Drum Major. Selected positions for Drill Leader and Drum Major.
* Boosted Morale in Band and gave individual constructive feedback which led to advancing to UIL Area.

**SKILLS & PERSONAL PROJECTS**

**Technology:** Python, HTML, CSS, JavaScript, MATLAB, SOLIDWORKS, exposure to MERN, exposure to Java.

**Software Engineering:** Exposure to data structures and algorithms through self-learning and CS 313e.

Ulam Spiral Generator*, Python* Summer 2020

* Designed a program that made use of matrices to graphically display the famous mathematical Ulam Spiral, which hinged upon solving the problem of generating the spiral in-bounds, similar to Conway’s Game of Life.

Autonomous Vehicle*, UNO R3 Microcontroller* Spring 2020

* Assembling, wiring, and coding an autonomous vehicle that senses and follows IR light.

**Languages:** Native English Speaker, Native Spanish Speaker

**AWARDS AND ACCOMPLISHMENTS**

**Lone Star College-Kingwood Transfer Scholarship (UT)** 2019-2022

**Hispanic Scholarship Fund Scholar (UT)** 2019

**Delegation Award at National Model United Nations (LSC)** 2019

**All Texas Academic Team (LSC)** 2019

**John Phillip Sousa Award (Atascocita Marching Band)** 2017

**Score 1 on Grade-1 UIL Solos (UIL)** 2014-2017

**Most Outstanding Team Salute (SFA Military Drum Major Camp)** 2016

**Principal Oboist (UIL Region Orchestra)** 2015