Sam Pomajevich

| pomajevichsam@gmail.com | (571) - 288 - 4292 | linkedin.com/in/sam-pomajevich | sampomajevich.netlify.app |

Education

The University of Texas at Austin

Bachelor of Science in Computational Physics

GPA: 3.6

Graduating May 2021

Technical Skills

- Python and MATLAB
- Computer-Aided Design (CAD) with SOLIDWORKS and Fusion 360
- 3D Printing
- Manual machining and mechanical drafting

Experience

Nanoscale Design and Manufacturing Laboratory – The University of Texas at Austin

Undergraduate Research Assistant

- Involved in creating a solution for minimizing the effect of thermal heat zones surrounding nano-manufacturing.
- Used Python and MATLAB to program an algorithm that inputs coordinates from an image and separates the edges of the shape into segments to be altered to desired lengths. This helped create an OPC (Optical Proximity Correction) for the image.

May 2020 – September 2020

re:3D – Austin, Texas

Design Intern

- Designed 12 objects using CAD to demonstrate the capabilities of the Gigabot 3D Printer
- Performed maintenance and set-up on Gigabot 3D Printers

June 2019 – August 2019

Sudley Club - Manassas, Virginia

Swim Instructor, Lifeguard, Grounds Worker

October 2013 - July 2017

HONORS, AWARDS, and ACTIVITIES

- Texas Men's Swim and Dive Team – August 2017 to PresentNCAA Men's Swimming and Diving
- National Championship Winning Team - March 2018
- Big 12 Commissioner's Honor Roll - Fall 2018, Spring 2018
- College Swimming & Diving Coaches Association of America (CSCAA) Scholar All-American - Spring 2018
- Academic All-Big 12 Rookie Team - Spring 2018