

# Daniel Glynn

\*\*\*\*\* \*, MN

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www.Linkedin.com/in/DanielGlynn72

Engineering student with a strong background in 3D printing, rapid prototyping, designing functional products, software development, automation, and relentlessly accomplishing goals as well as always searching for systems that can be optimized.

## Education

### Bachelor of Science in Aerospace Engineering

University of Minnesota, Minneapolis, MN, 08/2019 — 05/2022

- **Minors:** Management, Computer Science
- **GPA:** 3.31 / 4.00

## Professional Experience

### Business Owner and Product Designer

Yelt3D, Barnesville, MN, 11/2017 — Present

- Designed, manufactured, marketed, and shipped over 4,000 smart home accessories for both the Google Home and the Amazon Alexa voice assistant products.
- Received over 40,000 downloads for free downloadable, 3D printable smart home accessory models on Thingiverse.com.
- Manage, maintain, and operate a 3D print farm consisting of 12 machines to produce bulk production grade products.

### Software Development and Data Analysis Intern

Steffes Group Inc, Fargo, ND, 01/2019 — 08/2019

- Developed Python web scrapers to automate data collection from 45 competitor companies and compile data into reports.
- Automated the creation of geographical heatmaps using the comparing competitor data to company sales data.
- Developed Chrome extensions for internal employees to automate tasks and increase functionality of company website.

### 3D Printing Consultant

MSUM Physics Department, Moorhead, MN, 12/2018 — 06/2019

- Advised department about products to purchase based on their technical needs and budget constraints.
- Configured and implemented a print tracking/queue software to allow students to begin their own 3D prints.
- Worked with faculty to develop programs that would better implement the use of the 3D printers in the physics lab.

### Manufacturing Engineering Intern

JSM Woodworks, West Fargo, ND, 05/2018 — 09/2018

- Designed jigs, fixtures, and tools to speed up manufacturing and assembly processes using Autodesk Inventor Professional.
- Evaluated assembly methods by collecting data, developing test procedures, and ensuring reliability and efficiency.
- Created a company-wide ecosystem in Atlassian JIRA to import workorders, maintain streamlined order monitoring, issue ticketing and reduce repeated issues in the woodshop manufacturing process.

### 3D Printing Technician

Fargo 3D Printing, Fargo, ND, 05/2017 — 04/2018

- Repaired hardware and software issues for over 50 different models of 3D printers ranging from consumer to professional.
- Automated importing shipping manifests, creating and printing barcoded labels, and managing inventory with Python.
- Designed products and silicone casting molds that would be manufactured and sold by the company.

## Key Personal Projects

### Rate My Gopher UMN Professor Ratings Chrome Extension

10/2019 – Present

- Chrome Extension that loads data from RateMyProfessors.com directly on the University of Minnesota's schedule builder website to help students plan their schedule. The extension has been installed over 200 times.

### Yelt3D Smart Home Product Design Business

11/2017 – Present

- Designed, published, and sold smart home accessories using a personal fleet of 3D printers and Autodesk Fusion 360.
- Communicated directly with customers and 3D printing hobbyists to fulfill orders both domestically and internationally.

## Activities

### University of Minnesota Solar Vehicle Project

07/2019 – Present

- Member of the Aerodynamics and Statics team. Using ANSYS to perform finite element analysis (FEA) to ensure the chassis and roll cage can withstand simulated loads as required by the competition standards.
- Utilizing common industry manufacturing methods such as CNC, lathes, and waterjets to produce high quality parts of the solar vehicle that will race in the American Solar Challenge and the Bridgestone World Solar Challenge.

## Skills

- **Excel** – Experienced in writing custom functions/macros with VBA, creating complex calculation workbooks, and working with the processing/organization/presentation of data into detailed reports.
- **Leadership** – Managed and organized a marketing team for a planetarium. Assigned tasks and organized meetings.
- **CAD** – AutoCAD, Autodesk Inventor, Fusion 360, Solidworks, ANSYS FEA, PTC Creo Parametric, 3D Printing Slicing Software
- **Programming** – Python, MATLAB, JavaScript, C++, ReactJS
- **Applications** – Windchill PDM, GrabCAD Workbench, Git, MS Suite, ANSYS, Atlassian JIRA