

# Thomas Jagielski

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## Campus

MB 130 1000 Olin Way  
Needham, MA 02492  
[tjagielski@olin.edu](mailto:tjagielski@olin.edu)

## Permanent

4416 Vincent Avenue South  
Minneapolis, MN 55410  
612-500-6964

## Education

FRANKLIN W. OLIN COLLEGE OF ENGINEERING – NEEDHAM, MA

GRADUATION MAY 2022

- Bachelor of Science in Electrical and Computer Engineering
- Half-Tuition Scholarship Recipient
- Relevant Courses: Introduction to Microelectronic Circuits; Quantitative Engineering Analysis; Principles of Engineering; Software Design; Introduction to Sensors, Instrumentation and Measurement; Discrete Math

*GPA – 4.0*

SOUTHWEST HIGH SCHOOL – MINNEAPOLIS, MN

GRADUATED JUNE 2018

- Valedictorian, IB Diploma, AP Scholar Award
- Yale Book Award Recipient

*GPA – 4.0 (Unweighted)*

## Experience

ELECTRICAL ENGINEER INTERN | GRACO INC. | \$1.6 BILLION FLUID HANDLING COMPANY

SUMMER 2019 - 2020

- Sensorless motor control algorithm
- PCB prototyping
- Warranty return debugging
- New product design testing and verification
- Altium PCB documentation automation

AUTOMATION INTERN | GRACO INC.

SUMMER 2018

- Designed electrical schematics, wired, and built a servo indexer
- Performed Click PLC programming
- Programmed a metrics board for assembly line test bench data in LabVIEW

VOLUNTEER COUNSELOR | BAKKEN MUSEUM | ELECTRICAL MUSEUM

SUMMER 2015-2017

- Assisted program participants in creating innovative projects using the Bakken process: Think it, Make it, Improve it, Show it
- Learned project development and the engineering process

## Skills

- LTspice, KiCAD, PCB design, Python, Matlab, Mathematica, Altium, Arduino, AutoCAD Electrical, electrical enclosure wiring, LabVIEW, SolidWorks, C Programming Language, introductory knowledge of Verilog
- Project Portfolio Website: <https://thomasjagielski.github.io/Project-Portfolio/>

## Activities

- Olin Rocketry Club
  - Designed avionics main flight computer PCB
- Olin College Sailing Team
  - Founder, Captain, and New England Inter-Collegiate Sailing Association Student Representative for Central Region