Tucker Romagnoli

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EDUCATION

Northeastern University, Boston, MA — *Expected Dec 2029*
Candidate for Bachelor of Science in Mechanical Engineering — *GPA 3.101*
Relevant Courses: Statics, Cornerstone of Engineering 1 & 2, Calculus 1–3, Physics 1 & 2
Activities: American Society of Mechanical Engineers (ASME), Northeastern chapter, active member since Sep 2026

Kennedy Catholic Preparatory School, Somers, NY — *May 2025*
Honors & Activities: National Honor Society (2022–2025), Student Council, 120 community service hours

SKILLS

Software	Fabrication	Certifications & Languages
SolidWorks, AutoCAD, Python	Soldering, 3D printing (basic), circuit assembly, laser cutter	CSWA, *expected Nov 2026*
MATLAB (basic), Claude Code	Nail gun, Sawzall, band saw, drill press, table saw	Italian (basic reading)

PROJECTS

FlashFling Soccer & Sounds of the Jungle; *Cornerstone of Engineering 1 & 2* — *Fall 2025 – Spring 2026*

- Collaborated in 4-person teams on both projects, writing formal memos (problem statement, constraints/traits/functions, design choices, iteration reports) and formally presenting work progress weekly
- ***FlashFling Soccer:*** As project manager, consulted with a client to define the problem and designed a fun, captivating game tailored to the client with 4 main iterations, resulting in being selected by the client as the best of 16 games presented
- Spearheaded the code (Python), physical structure (AutoCAD), circuit design/assembly (soldering), and game mechanics for a laser-cut box with a microcontroller, ultrasonic distance sensor, buttons, lights, speaker, and 3D-printed pieces
- ***Sounds of the Jungle:*** Designed the physical structure and layout of an interactive animal sound guessing game for the Boston Children's Museum. Soldered circuits for an SD card – MP3 module – Speaker setup and coded the game in Python
- Recorded real-time data at the museum exhibition on retention, win-rate, and technical failure. Diagnosed failure points due to excessive input requests in real-time, implementing simpler code to keep the game working on museum day

Personal Productivity Software; *Self-developed Project* — *Aug 2026 – Present*

- Built 8 programs with Claude Code to boost productivity and tackle user-specific technical issues: an interactive budget, a chore scheduler, a Windows storage manager to clear space and move to a new user, and a Snapchat Memories organizer/viewer

WORK EXPERIENCE

Modus NYC, New York, NY | *Co-founder* — *Aug 2026 – Present*

- Used Claude Code to build prototype programs automating time-consuming business tasks like invoicing and workers' comp
- Created and published the company website, set up Google Workspace employee email, and worked on an AI pipeline to research companies, write personalized cold outreach emails, and send them from company domains

Slave to the Grind LLC, Bronxville, NY | *Assistant Supervisor* — *Jun 2023 – Aug 2026*

- Ran front-of-house operations on nights and weekends for a café serving 300+ customers a day, directing a team of up to 4 and resolving equipment, customer, staffing, and workflow issues during peak hours
- Trained 15+ new employees through training sessions and stress tests, assessing performance and teaching efficient technique

Romagnoli Remodeling, Westchester, NY | *Remodeling Assistant* — *Seasonal, 2020 – 2026*

- Remodeled kitchens, bathrooms, and interiors with tasks including framing, flooring, tiling, and painting, quickly learning new skills and techniques across constantly changing job sites, supplying hands-on experience and proving an ability to adapt quickly.
- Built structures to high standards of stability, trueness, and finish, using woodshop tools and construction practices to turn clients' vision into durable, functional work. Completed open-ended tasks independently to a client-ready standard

LEADERSHIP

Boy Scouts of America, Troop 67, Hartsdale, NY | *Eagle Scout* — *Sep 2012 – Jun 2025*
Senior Patrol Leader, Sep 2022 – Aug 2023 | Junior Assistant Scoutmaster, Sep 2023 – Mar 2025

- Earned Eagle Scout, Scouting's highest rank, over 13 years: 30+ merit badges, 40+ service hours, and 200+ nights camped
- Led 15 scouts as Senior Patrol Leader and spent 4 years in direct peer leadership roles guiding 20+ scouts toward Eagle
- Devised and organized Eagle project proposal, plan, $450 budget, and reports, as well as managing 6 scouts building the project
- Constructed a flag retirement drop-off at the local VFW post, repurposing an old Eagle Scout project and adding a landscaped, mulched area, a concrete pad for the mailbox, and an honorary plaque

INTERESTS

Cooking, photography, hiking & camping, weightlifting